SWISS CENTER FOR AFFECTIVE SCIENCES

ACTIVITY REPORT
JANUARY 2019 – DECEMBER 2020

UNIVERSITÉ DE GENÈVE

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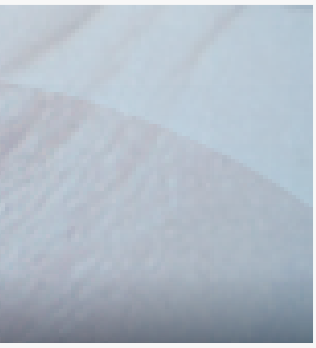


1. PREFACE

The “affective sciences” was an emerging field in 2003 when we first submitted the pre-preproposal for the creation of the Swiss Center for Affective Sciences (as an NCCR, see below for a historical note). I feel that our Center is an extraordinary example of how the collaboration of multiple institutions can produce a new and enduring structure: the University of Geneva with the strong collaboration of the Swiss National Science Foundation, and a network of Swiss universities and institutions proved that it is possible to create a stable national academic structure which aims is to study emotions and other affective phenomena. The Swiss Center for Affective Sciences, now at Campus Biotech, and the Brain and Behavior Laboratory are the two major consequences of the project launched almost 20 years ago. From within the Center, we experience, since 2005, an exciting example of how individuals from many disciplines can create a new joint scientific endeavor.

What happened since at the international level is simply amazing: “Affective sciences” is now a well-recognized and rapidly evolving area with academic and societal impact. The growing number of labs, centers, journals, and conferences belonging to the affective sciences demonstrate the vitality of our filed. All around the world, colleagues in anthropology, art, biology, computer sciences, economics, ethology, history, law, linguistics, neuroscience, philosophy, political sciences, psychology and sociology, to cite some of the key disciplines, demonstrate more and more the importance of understanding affective phenomena. With this activity report, we are glad to present our contribution to these developments.

We are happy to report that during this period of two years (2019 and 2020), the Center published 103 articles, and received around 7’200’000.- CHF for grants. This was made possible thanks to our 73 members who contribute, every day, to the development of the affective sciences.

2. HISTORY AND AIMS

The Center was created in 2005 at the University of Geneva to host the *National Center of Competence in Research (NCCR) Affective Sciences funded by the Swiss National Science Foundation (SNSF).*

In November 2013, the CISA moved to a new location, becoming the first unit of the University of Geneva to join the Campus Biotech.

In 2017 at the end of the NCCR Affective Sciences, the University of Geneva committed to the unlimited existence of the Swiss Center for Affective Sciences (CISA) and its corresponding positions.

The Center comprises research groups at the University of Geneva and associate members from other Universities. They come from a wide range of disciplines, enabling a unique multidisciplinary approach to the study of emotions. Neuroscientists, philosophers, psychologists, computer scientists, economists, and scholars from literature, the arts, and humanities work together with the common objective of understanding emotions and their roles in cognition and behavior.

The Center develop methodologies and tools to study the neural, psychological, bodily and social underpinnings of emotion. Likewise, it carries out applied research in collaboration with public and private partners.

The Center is also a leading institution for doctoral and post-doctoral training. In addition, thanks to outreach activities such as festivals and museum exhibits, we cooperate with Swiss and international cultural institutions to better communicate to society at large our current knowledge about the most fascinating aspects of emotion.

3. ORGANIZATION

Organization since the 1.10.2020

DIRECTOR
DAVID SANDER

ADMINISTRATION AND FINANCES
SANDRINE PERRUCHOUD

ADMINISTRATIVE ASSISTANTS
MARION GUMY AND SONIA MONDO BROUZE

INFORMATION TECHNOLOGY AND METHODS
DIDIER GRANDJEAN

SYSTEM ADMINISTRATOR
GUILLAUME JACQUEMOUD

COMMUNICATION AND KNOWLEDGE TRANSFER
CAROLE VARONE

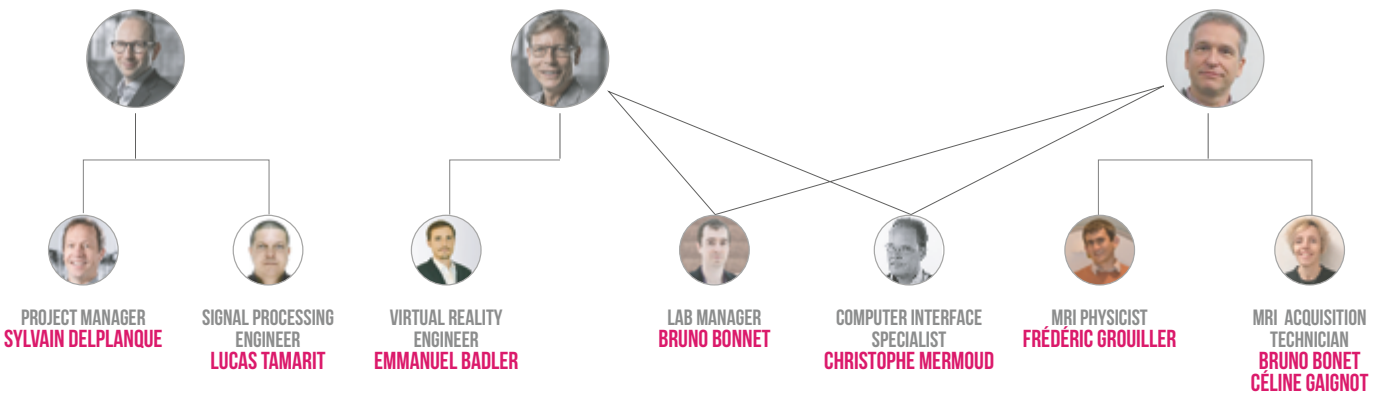
APPLIED RESEARCH
MARCELLO MORTILLARO

HUMANITIES AND INTERDISCIPLINARITY
JULIEN DEONNA

EDUCATION AND TRAINING
CRISTINA SORIANO

CISA TECHNICAL POSITIONS FOR BBL

DIRECTORS : P. VUILLEUMIER ET D.SANDER
STERRING BOARD : D. GRANDJEAN, C. MICHEL, S. SCHWARTZ



4. COLLABORATORS

Are considered as collaborators those who have an employment contract, a fund at the Swiss Center for Affective Sciences, or who are members of the Swiss Doctoral School or the postdoctoral program in Affective Sciences, these criteria being sufficient, but not necessary .

4.1 MANAGEMENT TEAM

SANDER DAVID, Director and Professor
DEONNA JULIEN A., Professor in charge of Humanities and Interdisciplinary
GRANDJEAN DIDIER, Professor, in charge of Computer and Internet Ressources
PERRUCHOUD SANDRINE, Administrator
VARONE CAROLE, Communication and Knowledge Transfer
MORTILLARO MARCELLO, Senior Scientist, Knowledge and Technology Transfer
SORIANO SALINAS CRISTINA, Senior Researcher Education and Training
GUMY MARION, Administrative Assistant
MONDO BROUZE SONIA, Administrative Assistant
TAILAMEE SYLVAIN (from 2019 to 2020), System Administrator
JACQUEMOUD GUILLAUME (since 2020), System Administrator

4.2 TECHNICAL STAFF

BADIER EMMANUEL, Virtual Reality Engineer
BONET BRUNO, Lab Manager and MRI Acquisition Technician
GAIGNOT CÉLINE (2020), MRI Acquisition Technician
MERMOUD CHRISTOPHE, Computer Interface Specialist
MEULEMAN BEN, Assistant Statistician
TAMARIT LUCAS, Signal Processing Engineer
TYRAND RÉMI, Engineer

4.3 PROFESSORS

BÉTRANCOURT MIREILLE, Professor
BROSCH TOBIAS, Professor
CORRADI-DELL'ACQUA CORRADO, Professor
COVA FLORIAN, Professor
DEONNA JULIEN, Professor
GENTAZ EDOUARD, Professor
GRANDJEAN DIDIER, Professor
GRUBER THIBAUD (2020), Professor
PREUSCHOFF KERSTIN, Professor
RIMMELE ULRIKE, Professor
RUDRAUF DAVID, Professor
SANDER DAVID, Professor
SCHWARTZ SOPHIE, Professor
TERONI FABRICE, Professor
VUILLEUMIER PATRIK, Professor

4.4 RESEARCHERS STAFF

ACHAIBOU AMAL, Postdoctoral Researcher
ARN JEANNE, Assistant
BHATTACHARJEE MANIK, Research Collaborator
BENIS DAMIEN, Postdoctoral Researcher
BUCHHEIT FLORIAN (2020), Assistant
CABRERIZO DAVID (2020), Senior Researcher
CERAVOLO LEONARDO, Senior Researcher
CHARRIER ALEXANDRE (2019), Invited Researcher
CHEVAL BORIS, Senior Researcher
COLL SÉLIM, Postdoctoral Researcher
DENT FERREL TESSA (2019), Assistant
DELPLANQUE SYLVAIN, Senior Researcher
DEZA-ARAUJO YACILA, Postdoctoral Researcher
DOELL KIMBERLY, Postdoctoral Researcher
DOGANZI NAZ (2019), Assistant
FAYET CATHERINE (2019), Assistant
FILIPPA MANUELA, Senior Researcher
FREIVOGEL STEPHAN, Assistant
GAVIRIA LOPEZ JULIAN, Assistant
GLOWINSKI DONALD, Senior Researcher
GOMEZ TEIJEIRO LUCIA, Assistant
GROUILLER FRÉDÉRIC, MRI Physicist
HAHNEL ULF, Senior Researcher
I'ANSON PRICE ROBERT (2019), Senior Researcher
KLIMECKI-LENZ OLGA, Senior Researcher
LAGOMARSINO MARIA, Postdoctoral Researcher
LATTION AURÉLIE (2019), Senior Researcher
LE BOEUF ADRIA (2019) Senior Researcher
LEBRETON MAEL, Senior Researcher
LOGINS ARTURS, Senior Researcher
MANTELLI AMÉLIE (2019), Assistant
MARADAN CHRISTEL (2020), Assistant
MARTIN SANDRA (2020), Postdoctoral Researcher
MEAUX EMILIE (2019), Senior Researcher
MECHOULLAM SHANNON (2019), Research Assistant
MELLA-BARRACO NATHALIE, Senior Researcher
MIRON-LAPOINTE CAROLINE (2019), Research Assistant
MULAS ALLEGRA (2019), Research Assistant
MUMENTHALER CHRISTIAN, Postdoctoral Researcher
NOERA CHIARA (2019), Assistant
PAGEL LAURA, Research Assistant
PENIC JUNGE SANDRA, Senior Researcher
PHILLIPS EDGAR, Postdoctoral Researcher
POOL EVA, Senior Researcher
RAFI HALIMA (2019), Assistant
REY GWLADYS, Senior Researcher
RIONTINO LAURA (2019), Postdoctoral Researcher
JOCHAUT ROUSSILLON DELPHINE (2019), Postdoctoral Researcher
SCHLOSSER MARCO (2020), Assistant
SCHMID OLIVIER, Postdoctoral Researcher
TISSERAND YVAIN, Postdoctoral Researcher
VOLLET JACQUES-HENRI (2020), Postdoctoral Researcher
ZAVLANOU CHRISTINA, Assistant

4.5 SWISS DOCTORAL SCHOOL IN AFFECTIVE SCIENCES

Doctoral students are divided into two categories: those supervised by professors at the Swiss Center for Affective Sciences and those supervised by professors from other institutions.

DOCTORAL STUDENTS SUPERVISED BY PROFESSORS AT THE SWISS CENTER FOR AFFECTIVE SCIENCES

ABATISTA ANGELA,
PhD Student,
Emotions eudémoniques et philosophie du bien-être,
supervised by Prof. Florian Cova (University of Geneva)

ANTICO LIA,
PhD Student,
Beyond Unpleasantness. The interplay between social cognition and somatic affective states of pain and disgus (defended thesis in July 2020), supervised by Prof. Corrado Corradi dell'Acqua (University of Geneva)

ALLAN FRANCISCO BERROCAL,
PhD Student,
Peer-ceived Momentary Assessment: Empirical examination of a peer supported sensing method to augment personal sensing in human computer interaction (defended thesis in August 2020), supervised by Prof. Katarzyna Wac (University of Geneva)

BAEZ SEBASTIAN,
PhD Student,
Brain mechanisms underlying socio-emotional reactivity: a biomarker for healthy aging?,
supervised by Prof. Patrik Vuilleumier (University of Geneva) & Prof. Olga Klimecki (University of Geneva)

BOGACZ FRANCOIS,
PhD Student,
the influence of emotions in negotiation and mediation and more precisely the possible influence of affective and social signals in mediation, including online mediation,
supervised by Prof. Olga Klimecki (University of Geneva)

BONARD CONSTANT,
PhD Student,
Meaning and Emotion, supervised by Porf. Julien Deonna (University of Geneva) and Prof. Bence Nanay (University of Antwerp).

BOUZIDI YANN,
PhD Student,
Volition, affect and effort, supervised by Prof. Guido H.E. Gendolla (University of Geneva)

CARLSON HEATHER,
PhD Student,
The affective influence of odors on brain connectivity,
supervised by Prof. Patrik Vuilleumier (University of Geneva)

CERNADAS PATRICIA,
PhD Student,
Testing compassion as a new emotion regulation strategy for promoting conflict resolution,
supervised by Prof. David Sander (University of Geneva)

CHAPPUIS CYRIELLE,
PhD Student,
Voice and impression formation: the effects of relevance and context in complex emotion decoding,
supervised by Prof. Didier Grandjean (University of Geneva)

CONTE BEATRICE,
PhD Student,
Cognitive, affective and behavioral dynamics of sustainable decision-making,
supervised by Prof. Tobias Brosch (University of Geneva)

DEBRACQUE CORALIE,
PhD Student,
The Voice of Primates: Neuro-Evolutionary Aspects OF Emotions (defended thesis in September 2020),
supervised by Prof Didier Grandjean (University of Geneva) and Prof. Thibaud Gruber (University of Geneva)

DIRUPO GIADA,
PhD Student,
Cognitive and Neural Systems for Understanding others Pain (defended thesis in April 2020),
supervised by Prof. Corrado Corradi dell'Acqua (University of Geneva)

DÖLL OLIVIA,
PhD Student,
Four Essays in Behavioral Economics and Information Security (defended thesis in July 2019),
supervised by Prof. Kerstin Preuschoff (University of Geneva) and Dr. Thomas Maillart (University of Geneva)

ERDEMLI ASLI,
PhD Student,
The neural representation of epistemic curiosity, supervised by Prof. David Sander (University of Geneva)

ESTUPINAN SERGIO,
PhD Student,
Fine-grained evaluation of the Interactive Narrative Experience: A Continuation Desire perspective (defended thesis in December 2020), supervised by Dr. Nicolas Szilas (University of Geneva)

FALAHI MOHSEN,
PhD Student,
Golf theory – A Unifying Framework for Studying Humain Choice Behaviour (defended thesis in October 2020),
supervised by Prof. Kerstin Preuschoff (University of Geneva)

FALK JOHANNA,
PhD Student,
Affective Influences on Goal Pursuit and the Moderating Role of Deliberation,
supervised by Prof. Guido Gendolla (University of Geneva)

FRITZ MATTIA,
PhD Student,
Emotions in Computer-Supported Collaborative Learning: the influence of Emotional Awareness Tools,
supervised by Prof. Mireille Bétrancourt (University of Geneva)

FUHRER JOFFREY,
PhD Student,
Life is pretty meaningful. An experimental and theoretical approach to study meaning in life: intuitions, emotions, measures, and concept,
supervised by Prof. Florian Cova (University of Geneva)

GAVIRIA JULIAN,
PhD Student,
Dynamic functional brain correlates of negative emotions and their interactions with executive control,
supervised by Prof. Patrik Vuilleumier (University of Geneva)

GIARRIZZO ALESSIO,
PhD Student,
Personality and motivation: Individual differences in reward-seeking behaviours,
supervised by Prof. David Sander (University of Geneva)

HERBERZ MARIO,
PhD Student,
Motivational and cognitive determinants of sustainable consumer behavior in the mobility domain and beyond, supervised by Prof. Tobias Brosch (University of Geneva)

HUMBERT-DROZ STEVE,
PhD Student,
Modes of imagining – a taxonomy of imagination in the light of mode/content distinction,
supervised by Prof. Fabrice Teroni (University of Geneva)

KELLER ROBERTO,
PhD Student,
Corrective Concepts, supervised by Prof. Fabrice Teroni and Prof. Conor McHugh (University of Southampton)

LEGENDRE GUILLAUME,
PhD Student,
How rich is your sleeping mind? Probing the extent of information processing during sleep,
supervised by Prof. Sophie Schwartz (University of Geneva)

MAHMOODI JASMIN,
PhD Student,
Applying insights from behavioural economics to nudge sustainable consumer choices (defended thesis in December 2019),
supervised by Prof. Tobias Brosch (University of Geneva)

MAURER HÉLÈNE,
PhD Student,
left in September 2020, supervised by Prof. Didier Grandjean (University of Geneva)

MAZERES FLORENCE,
PhD Student,
The impact of the achievement motivation on effort mobilization,
supervised by Prof. Guido Gendolla (University of Geneva)

MERTENS STÉPHANIE,
PhD Student,
The Behavioral and Cognitive Effects of Attribute Translations on Consumer Decision Making in the Energy Domain,
supervised by Prof. Tobias Brosch (University of Geneva)

MONNOR TEERAWAT,
PhD Student,
Predicting human emotions and approach-avoidance behaviors as mediated by social perspective taking in virtual reality using artificial agent modeling based on the Projective Consciousness Model,
supervised by Prof. David Rudrauf (University of Geneva)

DAVID MUNOZ TORD,
PhD Student,
Neural underpinnings of 'wanting' and 'liking' components of human reward processing: How these altered affective abilities can contribute to a vicious circle of food over-consumption in obesity,
supervised by Prof. Géraldine Coppin (Swiss Distance University Institute) & Prof. David Sander (University of Geneva)

MURRAY LINA,
PhD Student,
Impact de l'émotion sur la mémoire spatiale: investigations comportementales et neuropsychologiques,
supervised by Prof. Didier Grandjean (University of Geneva)

OMBRATO MICHELE DAVIDE,
PhD Student,
Emotion, Agency and Time,
supervised by Prof. Julien Deonna (University of Geneva)

PALAMA AMAYA,
PhD Student,
La perception intermodale (audio-visuelle) des expressions émotionnelles (joie, colère, peur ou dégoût) chez les bébés âgés de 1 à 6 mois et les enfants âgés de 5 à 10 ans : apports de l'oculométrie (defended thesis in September 2019),
supervised by Prof. Edouard Gentaz (University of Geneva)

PANTELEEVA YULIA,
PhD Student,
Music and emotional states: The role of episodic memories,
supervised by Prof. Didier Grandjean (University of Geneva) and Dr. Grazia Ceschi (University of Geneva)

QIAO EMILIE,
PhD Student,
Influence des émotions sur la cognition sociale, supervised by Prof. Patrik Vuilleumier (University of Geneva)

REBOURG ANTOINE,
PhD Student,
On Strength of Will, supervised by Prof. Julien Deonna (University of Geneva)

RICHARD JEANNE,
PhD Student,
Food valuation, inhibition and emotion regulation in individuals with healthy weight, overweight and obesity: How do these affective and cognitive processes interact?,
supervised by Prof. Géraldine Coppin (Swiss Distance University Institute) and Prof. David Sander (University of Geneva)

SALEM NAHUEL,
PhD Student,
Computational and neural mechanisms of decision-making in humans: valence biases in choice and confidence, supervised by Dr. Maël Lebreton (University of Geneva)

SCHAERLAEKEN SIMON,
PhD Student,
Being moved by music: literally and figuratively (defended thesis in September 2019),
supervised by Prof. Didier Grandjean (University of Geneva) and Dr. Donald Glowinsky (University of Geneva)

SCHOR MAGALIE,
PhD Student,
A Performance Epistemology of Emotions,
supervised by Prof. Fabrice Teroni (University of Geneva) and Prof. Julien Deonna (University of Geneva)

SELOSSE GARANCE,
PhD Student,
Influence of peripheral information on behavioural and spatio-temporal neural mechanisms of vocal emotion production and perception,
supervised by Prof. Didier

Grandjean (University of Geneva)

SOOTER NINA,
PhD Student,
Stress, Honesty and Decision-Making: Investigating if and how stress impacts compliance with moral codes of conduct in favor of selfish interests,
supervised by Prof. Didier Grandjean (University of Geneva)

SPAMPATTI TOBIA,
PhD Student,
How information processing and motivated information search shape beliefs, emotions, and decisions concerning renewable energies in Switzerland,
supervised by Prof. Tobias Brosch (University of Geneva) and Dr. Ulf Hahnel (University of Geneva)

STUSSI YOANN,
PhD Student,
Relevance detection as a psychological determinant of emotional learning (defended thesis in May 2019),
supervised by Prof. David Sander (University of Geneva) and Prof. Gilles Pourtois (Ghent University)

TAN MI XUE ,
PhD Student,
Dynamic brain networks mediating componential representations of emotions,
supervised by Prof. Patrik Vuilleumier (University of Geneva)

TARDITI JOZ-ROLAND CÉLINE,
PhD Student,
Mécanismes neuro-cognitifs de l'activation des valeurs,
supervised by Prof. Tobias Brosch (University of Geneva)

VAZARD JULIETTE,
PhD Student,
Emotions in the context of Inquiry: Doubt, Anxiety, and the Rising of Uncertainty,
supervised by Prof. Julien A. Deonna (University of Geneva)

WANG CHEN,
PhD Student,
Dyadic Impression Recognition From Multimodal Bodily Responses,
supervised by Dr. Guillaume Chanel (University of Geneva)

WUENSCH LAVINIA,
PhD Student,
Individual differences in reward-seeking behaviors, supervised by Prof. David Sander (University of Geneva)

ZAHARIA ALEXANDRA,
PhD Student,
Board games focused on emotional competences: promoting positive emotions and emotion regulation skills in adolescents,
supervised by Prof. Andrea Samson (University of Fribourg) and Prof. David Sander (University of Geneva)

DOCTORAL STUDENTS SUPERVISED BY PROFESSORS FROM OTHER INSTITUTIONS.

BLATTER JONAS
PhD Student,
The Ethics of Emotions, supervised by Prof. Dr. Andreas Müller (University of Bern)

CAMASSA MANUEL
PhD Student,
The Shared World. On the Power and Limits of Empathy,
supervised by Prof. Dr. Martin Hartmann (Universität Luzern) and Prof. Dr. Jan Slaby (Freie Universität Berlin)

DE GEOFROY ZOÉ
PhD Student,
The influence of emotional intelligence competencies on employee knowledge hiding behavior (defended thesis in 2020),
supervised by Prof. Max Evans (McGill University)

DENERVAUD SOLANGE
PhD Student,
When Pedagogy Matters: Insights from Montessori Education on the Development of Performance Monitoring (defended thesis in May 2020),
supervised by Prof. Patric Hagmann (University Hospital Lausanne)

DIAZ RODRIGO,
PhD Student,
Experimental philosophy of emotion,
supervised by Prof. Kevin Reuter (University of Zurich) and Prof. Claus Beisbart (University of Bern)

GAMAIUNOVA LIUDMILA
PhD Student,
Les pratiques contemplatives enracinées dans le bouddhisme et la réponse au stress : Une étude de méthode mixte,
supervised by Prof. Pierre-Yves Brandt (University of Lausanne) and Prof. Matthias Kliegel (University of Geneva)

GEHRINGER CAROL
PhD Student,
Argumentation and multimodal communication between children and educator in apprenticeship,
supervised by Prof. Fabrice Clement (University of Neuchatel)

MARI MAGALI
PhD Student,
The nature and acquisition of social schemata, supervised by Prof. Fabrice Clément (University of Neuchatel)

HEIDY MERISTE
PhD Student,
In defense of a unified account of guilt,
supervised by Prof. Margit Sutrop (University of Tartu)

NICLASSE COLETTE
PhD Student,
Self-Regulated Learning in Higher Education: When Emotions Makes the Difference (defended thesis in December 2019),
supervised by Prof. Bernadette Charlier (University of Fribourg)

OUELLETTE-DUBE MAUDE
PhD Student,
The importance of attention and compassion in ethics,
supervised by Prof. Jean-Claude Wolf (University of Fribourg)

PETSCHEN ADRIAN
PhD Student,
A study of the structural causes of human curiosity,
supervised by Prof. Fabrice Clément (University of Neuchatel)

RAYATDOOST SOHEIL
PhD Student,
Computational Understanding of the Interaction between Facial Expressions and Electroencephalogram (EEG) Signals for Emotion Recognition,
supervised by Prof. Mohammad Soleymani (USC Institute for Creative Technologies)

STALLMANN LINA
PhD Student,
Social Emotion Regulation in People with Autism Spectrum Disorder and the Use of Virtual Reality,
supervised by Prof. Andrea Samson (University of Fribourg)

SUAREZ LAURA
PhD Student,
The metaphorical and metonymical conceptualisation of emotions in Spanish and Bulgarian and its implications for second language acquisition (defended thesis in December 2020), supervised by Prof. Iraide Ibarretxe Antuñano (Universidad de Zaragoza)

TREICHEL NOÉMIE,
PhD Student,
The appreciation and comprehension of humor in neurodevelopmental disorders - Williams syndrome, autism spectrum disorder and intellectual disabilities,
supervised by Prof. Andrea Samson (University of Fribourg)

VAN LOON MARIE
PhD Student,
Responsibility for Irrational Beliefs (defended thesis in August 2020), supervised by Prof. Anne Meylan (University of Zurich)

5. ASSOCIATE MEMBERS

Are considered as associate members researchers from the University of Geneva or from outside the University of Geneva who are associated with the activities of the Swiss Center for Affective Sciences, without having a regular activity there.

5.1 PROFESSORS

BAVELIER DAPHNÉ, Professor
BONDOLFI GUIDO, Professor
CEVA EMANUELA, Professor
CLEMENT FABRICE, Professor
COPPIN GÉRALDINE, Professor
D'ARGEMBEAU ARNAUD, Professor
ELFERING ACHIM, Professor
FAVEZ NICOLAS, Professor
FEHR ERNST, Professor
FRÜHHOLZ SASCHA, Professor
HALPERIN ERAN, Professor
HARE TODD, Professor
HUG SIMON, Professor
KAUFFMANN LAURENCE, Professor
KNOCH DARIA, Professor
MALLET LUC, Professor
MASSIN OLIVIER, Professor
MEYLAN ANNE, Professor
NELIS DAMIEN, Professor
PICHON SWANN, Professor
PUN THIERRY, Professor
SAMSON ANDREA , Professor
SCHERER KLAUS, Professor
SCHMID MAST MARIANNE, Professor
SCHWEINBERGER STEFAN, Professor
SEMMER NORBERT, Professor
TOBLER PHILIPPE, Professor
TSCHAN FRANZISKA, Professor

5.2 RESEARCHERS STAFF

AUDRIN CATHERINE, Senior researcher
BRESSOUD NICOLAS, Invited researcher
CHANEL GUILLAUME, Senior Researcher
DUKES DANIEL, Postdoctoral Researcher
GOFFIN KRIS, Postdoctoral researcher
IGLOI KINGA, Senior Researcher
KAELIN WOLFGANG, Post-doctoral Researcher
LACK JEREMY, Lawyer and mediator
LEITO JOANA, Post-doctoral Researcher
MIENDLARZEWSKA EWA, Post-doctoral Researcher
MUSZYNSKI MICHAL, Post-doctoral Researcher
PÉRON JULIE, Senior Researcher
PHILLIPS EDGAR, Postdoctoral Researcher
PIGUET CAMILLE, Post-doctoral Researcher
PRIETO LUIS P. Senior Researcher
ROS TOMAS, Post-doctoral Researcher
SKIBA RAFAL, Post-doctoral Researcher
STERPENICH VIRGINIE, Senior Researcher
WITH STÉPHANE, Senior Researcher

6. FINANCIAL RESSOURCES

6.1. DIP BUDGET 2019-2020

STAFF	2019	2020
Academic	484 777.00	522 945.00
Scientific and Technical	995 357.00	1 105 168.00
Administrative	280 343.00	245 034.00
TOTAL STAFF	1 760 477.00	1 873 147.00
Employer's social contributions	409 764.00	432 985.00
TOTAL STAFF CONTRIBUTIONS INCLUDED	2 170 241.00	2 306 132.00
Operating cost - Others	156 885.00	156 885.00
Operating cost - Investment	18 200.00	19 791.00
TOTAL	2 345 326.00	2 482 808.00

6.2 GRANTS 2019- 2020

NEW EXTERNAL FUNDING OBTAINED BY THE PROFESSORS		
	2019	2020
Swiss Government funded Projects	*718 415.00*	*5 699 143.00*
Other Projects	*790 052.00*	*29 108.00*
TOTAL EXTERNAL FUNDING	1 508 467.00	5 728 251.00

TOTAL ANNUAL AMOUNT RECEIVED FOR NEW AND ONGOING PROJECTS		
	2019	2020
Swiss Government funded Projects	*996 864.76*	*2 334 229.50*
Other Projects	*1 156 125.66*	*516 032.27*
TOTAL AMOUNT RECEIVED	2 152 990.42	2 850 261.77

7. PRESENTATION OF RESEARCH GROUPS

The different scientific research groups lead by the Professor of the Center mentioned in 4.3 are described below. The Research Groups aim is to provide a better understanding of affective phenomena (e.g., emotions, motivations, moods, stress, well-being) from various research perspectives and multiple levels of analysis. With its scientists stemming from various backgrounds such as psychology, philosophy, economics, political science, psychiatry, neuroscience, education, sociology, literature, history, and religious and social anthropology, the Center places a particular emphasis on the interdisciplinary and integrative collaboration between these different domains of research.

7.1 INFORMATION TECHNOLOGY AND LEARNING PROCESSES (TECFA)

PROFESSOR MIREILLE BETRANCOURT

Research at TECFA covers a broad field of studies, such as cognitive,
social and affective implications of information and communication technologies.
Research is led on the use of digital technologies in learning situations and their impact on cognitive and socio-cognitive processes. They are conducted from an educational perspective (impact on the processes and results of learning) and from an ergonomic perspective to optimize person-machine interactions.

During this period, three research programs have been pursued, with the aim of empirically investigating:

- Multimedia learning
- Collaborative writing and argumentative writing environments
- Ergonomics of training systems, and more broadly of information systems

http://tecfa.unige.ch/perso/mireille/

7.2 CONSUMER DECISION & SUSTAINABLE BEHAVIOR LAB (CDSB)

PROFESSOR TOBIAS BROSCH

Developing a more sustainable lifestyle is one of the most pressing tasks facing our planet and its inhabitants. Combining approaches from psychology, affective sciences, behavioral economics, and neuroscience, our research group aims to contribute to this challenge by trying to understand the mechanisms that drive decisions and behaviors related to sustainability.

During this period, five research programs have been pursued, with the aim of empirically investigating:

- The role of emotion in sustainable action
- The role of ideology in climate change perception
- The impact of multiple values on sustainable action
- The role of information processing in sustainability-related judgments
- The potential of nudging strategies to promote sustainable decisions

https://www.unige.ch/fapse/decisionlab/

7.3 THEORY OF PAIN LABORATORY (TOPLAB)

PROFESSOR CORRADO CORRADI DELL'ACQUA

The main goal of this research group is to investigate the processes underlying the diagnosis of people's pain. This line of research is at the crossroads of several subdisciplines in experimental psychology and neuroscience (affective processing, embodied cognition, decision making, theory of mind, etc.) and combines different methodological approaches (behavioral, neuroimaging, etc.)

- During this period, five research programs have been pursued:
- The role of healthcare training in the appraisal and management of others' pain
- The role of expectancy in the representation of one's and others' pain
- Embodied Social Cognition: how representations of basal aversive experience influence the way we interact with others
- Pain vs. Unpleasantness. How dissociate state-specific from supra-ordinal coding in the physiological response to pain
- The role of cognitive fatigue in the appraisal of others' pain.

https://www.unige.ch/fapse/toplab/

7.4 EMPEIRIA - THE GENEVA RESEARCH GROUP IN EXPERIMENTAL PHILOSOPHY

PROFESSOR FLORIAN COVA

Empeiria is a research group dedicated to the development of empirical and experimental approaches to traditional philosophical problems. As such, most of its activities fall into the domain of experimental philosophy, a field at the intersection of philosophy and cognitive sciences. Reseach topics include the meaning of life, free will, philosophy of art and moral philosophy.

During this period, seven research programs have been pursued, with the aim of empirically investigating:

- The role of positive emotions in intuitions about the meaning of life
- The respective role of emotions and reasoning in moral judgment
- The psychological underpinnings of feelings of "depth" and "profundity"
- The folk concept of well-being
- Attitudes and irrational beliefs in the context of the COVID-19 pandemic
- The role of positive emotions in philanthropic behavior *People's attitudes about cognitive enhancement

https://sites.google.com/site/floriancova/


7.5 THUMOS

PROFESSOR JULIEN DEONNA
AND PROFESSOR FABRICE TERONI

Thumos' research activities are in the philosophy of emotions and values, with a special interest in the relations between emotions and values.

During this period, three research programs have been pursued:

- Feel Bad, Live Well ! The Value of Negative Emotions for Well-being. Examination of the role of negative emotions in well-being
- Knowledge, Action, and Factive Mental States. What is the relation between mental states and truth?
- Modes and Contents. What are the respective contributions of psychological attitudes (remembering, imagining, emoting, etc.) and content (what one remembers, imagines or emotes) to the correctness conditions of psychological states?

https://www.unige.ch/lettres/philo/recherche/research-groups/thumos/

7.6 SENSORIMOTOR AFFECTIVE AND SOCIAL DEVELOPMENT PSYCHOLOGY (SMAS)

PROFESSOR EDOUARD GENTAZ

The main objective of the Laboratory for Sensorimotor, Affective and Social Development is to better understand the development of sensorimotor, affective and social competences in typical and atypical people, from birth through to the end of adolescence. This research is centred not only on theory, but also practical outcomes, such as booklets for parents, educational methods, and working with visually deficient people.

During this period, two research programs have been pursued, with the aim of empirically investigating:

- Social-emotional development
- Early development of emotions

https://www.unige.ch/fapse/sensori-moteur/

7.7 NEUROSCIENCE OF EMOTIONS AND AFFECTIVE DYNAMICS (NEAD)

PROFESSOR DIDIER GRANDJEAN

The researchers of the NEAD group investigate psychological and brain processes related to emotional processes, especially in the auditory domain. We use functional Magnetic Resonance Imaging (fMRI), electroencephalography, and peripheral measures such as electromyography and skin conductance in our studies.

During this period, five research programs have been pursued, with the aim of empirically investigating:

- Psychological and brain mechanisms of emotional prosody perception
- Psychological, peripheral, and brain mechanisms of emotional prosody production
- Comparative approach of emotional vocalizations in human and non-human primates
- Music and emotion
- Spatial navigation and emotion

https://www.unige.ch/fapse/neuroemo/people

7.8 ECOLOGY COGNITION COMMUNICATION EMOTION (ECCEPAN LAB)

PROFESSOR THIBAUD GRUBER

The Ecology Cognition Communication Emotion Lab (eccePAN Lab) investigates the evolutionary origins of human cultures. We study how our cognition evolved to allow us to display unrivalled cultures in the animal realm. We focus especially on social learning as well as communication processes. We conduct our work in the wild in Uganda with chimpanzees, and in human populations cross-culturally.

During this period, four research programs have been pursued, with the aim of empirically investigating:

- Interaction between cognition and ecology in wild chimpanzee tool use
- Impact of ecology and environmental change in non-human behavior
- Socio-emotional aspects of learning and communication in non-human and human primates
- Evolutionary origins of human language

https://thibaudgruber.weebly.com/

7.9 NEUROSCIENCE IN FINANCE AND ECONOMICS (NIFE LABORATORY)

PROFESSOR KERSTIN PREUSCHOFF

Our research in Neuroeconomics and Neurofinance focuses on decision making under uncertainty. This highly interdisciplinary work covers theoretical and experimental aspects of decision making and risk taking and unites neuroscience, financial economics, computational neuroscience and psychology. We primarily employ behavioral studies, computational modelling and functional MRI to study how humans make (financial) decisions in an uncertain world.

https://www.unige.ch/gsem/en/research/faculty/all/kerstin-preuschoff/

7.10 EMOTION AND MEMORY LABORATORY

PROFESSOR ULRIKE RIMMELE

The Emotion and Memory Laboratory examines how emotions, stress and their regulation influence human memory across the life span.

Currently, the laboratory develops three major research programs.

Using a multi-method approach (behavioral methods, physiology, pharmacology, neuro-imaging and virtual reality), these research programs investigate empirically:

- The behavioural and neural mechanisms of emotion and stress' modulation on learning and memory
- The role of emotion and stress on the construction of memories in children, adolescents, young, middle-aged and older adults
- The influence of emotion regulation strategies on making and changing memories

https://cigev.unige.ch/recherches/research-g/group-rimmele

7.11 LABORATORY OF MULTIMODAL MODELLING OF EMOTION & FEELING (MMEF LAB)

PROFESSOR DAVID RUDRAUF

We study human consciousness as an embodied cybernetic process integrating mechanisms of perspective taking and emotional dynamics for appraisal and motivation, its relationships to typical and atypical behaviors, and its role in learning and resilience, at the individual and intersubjective levels. We use virtual reality, psychophysiology, computational modeling and robotics.

During this period, six main research programs have been pursued, with the aim of investigating:

- The role of conscious perspective taking in appraisal, emotion and approach-avoidance behaviours
- The modelling and evaluation of typical and atypical behaviours using virtual humans and robots
- The development of virtual humans with advanced emotion expressions
- The use of virtual reality to mitigate anxiety and pain during emergency care in children
- The use of virtual reality to train soft skills in police officers
- The use of virtual reality to promote sustainable behaviours

https://www.unige.ch/fapse/mmef/en/

7.12 LABORATORY FOR THE STUDY OF EMOTION ELICITATION AND EXPRESSION (E3 LAB)

PROFESSOR DAVID SANDER

Research in the Laboratory for the study of Emotion Elicitation and Expression investigates the cognitive mechanisms involved in the appraisal of relevant stimuli, and how these processes elicit emotions, and modulate perception, attention, learning, memory, and decision-making.

Currently, five major research programs are developed. These research programs aim at empirically investigating:

- The nature and function of relevance detection in emotion elicitation
- Appraisal-driven facial expression of emotion
- Mechanisms underlying emotional attention
- Mechanisms underlying emotional learning and memory
- Emotional processing of olfactory stimuli
- Bidirectional links between emotions and food intake

https://www.unige.ch/fapse/e3lab/

7.13 SLEEP AND COGNITION LABORATORY

PROFESSOR SOPHIE SCHWARTZ

The Sleep and Cognition investigates the neural mechanisms underlying experience-dependent changes in the adult human brain. Using brain behavior and brain measures, we study the influence of sleep and emotions on learning and memory.

During this period, we have been working on the following four research programs:

- Processing of emotions during sleep and dreams, and relationship with daytime emotional responses. -Effect of rocking on sleep and memory, in humans and mice.
- Impact of screen use on sleep, cognition, and emotion in adolescents
- Reward modulation of memory encoding
- Impact of physical exercise and motor imagery on learning and memory -Processing of odor valence during sleep and influence of odors on sleep

https://medweb4.unige.ch/labnic/htms/schwartz.html

7.14 LABORATORY FOR BEHAVIORAL NEUROLOGY AND IMAGING OF COGNITION (LABNIC)

PROFESSOR PATRIK VUILLEUMIER

We investigate the functional mechanisms and brain circuits implicated in the generation and regulation of emotions, in healthy people as well as in neurological or psychiatric diseases. Using neuroimaging methods (MRI and EEG), we seek to understand the role of different brain regions (e.g. amygdala), how they dynamically influence each other, and how they influence cognition, behavior, and mood.

During this period, we pursued the following research programs:

- Identify the cerebral organization of emotional components and their functional interactions during emotional episodes
- Determine the temporal dynamics of amygdala activity with intracranial EEG
- Characterize long-lasting changes in brain activity patterns after transient emotions and their link to emotion regulation abilities
- Develop naturalistic emotion elicitation paradigms with first-person games and virtual reality scenarios
- Dissect the role of internal features and dynamic motion information in faces for the recognition of emotion expression
- Study neural mechanisms of visual attention including modulation by affective factors and reward and disorders after brain damage
- Develop and investigate neurofeedback protocols with real-time fMRI and EEG to self-regulate brain activity.

https://www.unige.ch/medecine/neuf/en/research/grecherche/patrik-vuilleumier/

8. EDUCATION AND TRAINING (E&T) PROGRAM

Head:	DR. CRISTINA SORIANO
Administrative coordination:	MS. MARION GUMY
Candoc representative:	MS. BEATRICE CONTE
Postdoc representative:	DR. BEN MEULEMAN

The E&T program at CISA is in charge of organizing education and training events for the researchers of the Center and for the general public. It is also responsible for the Swiss Doctoral School in Affective Sciences and the CISA Postdoctoral Program. It currently enrolls 58 doctoral and 17 postdoctoral researchers, and supports the activities of the group of advanced researchers "Peers", comprising current CISA members and alumni.

The Swiss Doctoral School in Affective Sciences provides complementary interdisciplinary training in the affective sciences to 58 doctoral researchers from 5 Swiss universities (a majority of them UNIGE) and several foreign associate members. In addition to training, it offers them a mentoring program, financial support to attend scientific events, personalized career support, professional networking opportunities, and a rich flow of information concerning conferences, grants, job offers and other relevant events for the affective community.

The E&T program implements top-down as well as bottom-up approaches for activity design, and a quality control program. The team counts with a representative from the doctoral and the postdoctoral community. The doctoral program is also supported by an interdisciplinary scientific advisory board including faculty from 5 Swiss universities (Geneva, Lausanne, Neuchâtel, Bern, Zurich).

The E&T program organizes a number of regular events including an interdisciplinary lecture series in the affective sciences, thematic workshops, transversal skill workshops, graduate seminars (practical introductory workshops to topics of interdisciplinary interest in the affective sciences), and a biennial international summer school. The events organized in 2019 are summarized below (more information at
https://www.unige.ch/cisa/education/education/).

The doctoral program was founded and funded by the NCCR Affective Sciences in 2005 and has been funded by Swissuniversities since 2015.

8.1 LECTURE SERIES

1. **Livio Provenzi**. 10.11.2020. CISA, Campus Biotech *(IRCCS Mondino Foundation, Pavia, Italy) Epigenetic fingerprints: Psychobiological insights into human emotional connections.*
2. **David Garcia**. 06.10.2020. CISA, Online lecture. *Computational Affective Science: Collective Emotions in the Digital Traces After a Terrorist Attack.*
3. **Philip Gerrans**. 05.05.2020. CISA, Online lecture. *Engineering empathy. Emotions in artificial systems.*
4. **Emanuela Ceva**. 03.03.2020. CISA, Campus Biotech. *Negative moral emotions and the transformation of relationships dynamics in processes of transitional justice.*
5. **Patty Van Cappellen.** 19.12.2019. University of Geneva, Bastions building. *Reaching to the sky or getting on your knees: Emotions expressed in the full body.*
6. **Luke Russell.** 05.11.2019. CISA, Campus Biotech. *What is Forgiveness?*
7. **Dominik Bach**. 25.06.2019. CISA, Campus Biotech. *Action-selection under threat: algorithms and neural circuits for survival.*
8. **Sebastian Korb**. 28.05.2019. CISA, Campus Biotech. *Facial mimicry – its role, neural correlates, and modulation.*
9. **Disa Sauter**. 14.05.2019. CISA, Campus Biotech. *Emotion preparedness: The foundation of emotions*
10. **Ronald de Sousa**. 30.04.2019. CISA, Campus Biotech. *What computers will need to feel*
11. **Lauri Nummenmaa**. 12.03.2019. CISA, Campus Biotech. *Mapping emotions in the brain and body*
12. **Sander van der Linden**. 05.03.2019. CISA, Campus Biotech. *Saving the planet because it feels good: The role of warm-glow and intrinsic motivation in sustainable decision-making*

8.2 THEMATIC WORKSHOPS

1. **Video-feedback emotional support to parents of children at developmental risk**.
   With Livio Provenzi. 10.11.20. CISA, Campus Biotech
2. **Burnout and Impostor Syndrome in Academia.**
   With Mioara Cristea and Tatiana Jenkins. 12.10.20. CISA, Campus Biotech
3. **Emotion, expression, and language**.
   With Mitch Green, Constant Bonard, Benjamin Neeser & Cristina Soriano. 04.11.2019. University of Geneva, Bastions
4. **Cultivating negative emotions: The virtues of anxiety and disgust**. With Charlie Kurth, Ben Meuleman, Ryan Murray, Juliette Vazard & Jonas Blatter. 05.06.2019. CISA, Campus Biotech
5. **Emotion expression**.
   With Marcello Mortillaro, Disa Sauter, Damien Benis, Leonardo Ceravolo, Ben Meuleman & Corrado Corradi-Dell'Acqua. 14.05.2019. CISA, Campus Biotech

8.3 TRANSVERSAL SKILLS WORKSHOPS

1. **The analysis of pre-test post-test studies with R**.
   With Gabriel Baud-Bovy. 19 & 20.11.20. CISA, Campus Biotech
2. **Communicate your science with stop motion animation**.
   With Robbie l'Ancon Price (University of Geneva) and Marquis' McGee. 16 & 25.09.20 and 02.10.20. CISA, Campus Biotech
3. **Multilevel regression.**
   With Ben Meuleman (University of Geneva). 6 & 7.04.20. Online workshop
4. **Non-parametric Data Analysis.**
   With Ben Meuleman (University of Geneva). 25.02.2020. CISA, Campus Biotech
5. **Structural Equation Modeling with Lavaan.**
   With Yves Rosseel (Ghent University).31.01.2020. CISA, Campus Biotech

6. **Designing more efficient and reliable studies**.
   With Daniel Lakens. 29.11.2019. CISA, Campus Biotech.
7. **Networking and other job-hunting soft skills**.
   With Rob Thompson. 23.10.2019. CISA, Campus Biotech.
8. **How to fill in the SNSF Data Management Plan**.
   24.09.2019. CISA, Campus Biotech.
9. **Gender equality in science**.
   24.01.2019. CISA, Campus Biotech

8.4 GRADUATE SEMINARS

1. **Introduction to the computational modeling of emotional learning.**
   With Eva Pool & Mael Lebreton. 06.10.2020. CISA, Campus Biotech.
2. **Musical Contagion and the Musical Challenge to Appraisal Theory.**
   With Federico Lauria. 10.07.2020. CISA, Online
3. **Social animals: When others help us cope**.
   With Andrea Samson. 28.01.2020. CISA, Campus Biotech.
4. **Emotion vs. cognition in moral judgment: The rise and (maybe) fall of sentimentalism**.
   With Florian Cova. 10.12.2019. 13:30-17:30. CISA, Campus Biotech.
5. **Virtual reality as a tool for the affective sciences.**
   With David Rudrauf, Ben Meuleman & Yvain Tisserand. 05.11.2019. 14:00-18:00. CISA, Campus Biotech.
6. **Facial and vocal expression of emotion.**
   With Stefan Schweinberger. 25.06.2019. CISA, Campus Biotech.
7. **Sleep and Emotion.**
   With Sophie Schwartz. 30.04.2019. CISA, Campus Biotech.

8.5 SCIENCE FAIRS

1. **Annual Research Forum 2020**. 04 & 05.02.2020. CISA, Campus Biotech
2. **Doctoral Students Day**. 27.09.2019. CISA, Campus Biotech.
3. **Annual Research Forum 2019**. 07 & 08.02.2019. CISA, Campus Biotech.

8.6 CO-FUNDED EVENTS

1. **Successful scientific writing**. Advanced course with Robert V. Kail. 16-19.12.2019. Organized by CISA & CIGEV. Geneva.
2. **Learning to value: Emotion development from infancy to adolescence**. Preconference of the International Society for the Research of Emotions (ISRE) conference. 10-13.07.2019. Amsterdam.
3. **The social dimensions of emotion: New philosophical perspectives**. Preconference of the International Society for the Research of Emotions (ISRE) conference. 10-13.07.2019. Amsterdam.
4. **Equity in Science**. Workshop organized by NCCR Chemical Biology. 05.05.2019. Sciences III, Geneva.
5. **Les Émotions de Médée**. Symposium organized by Damien Nelis (UNIGE) and Douglas Cairns (Edinburgh). 3-4.05.2019. Fondation Hardt, Geneva.

The program is currently involved in the planning of a MOOC and the 2022 edition of the International summer School in Affective Sciences, devoted to the topic “Emotion and Well-being”.

9. KNOWLEDGE TRANSFER ACTIVITIES

Head: DR. MARCELO MORTILLARO
MS. CAROLE VARONE

Knowledge activities are coordinated by Dr. Marcello Mortillaro and Ms. Carole Varone. Dr. Mortillaro, senior researcher, is in charge of facilitating scientific collaborations between the CISA and companies, research centers, as well as public and private partners. Ms. Carole Varone is in charge of developing knowledge transfer activities for the public at large in collaboration with partners in the public and private sectors.

9.1 COLLABORATION WITH PRIVATE/PUBLIC INSTITUTIONS

Over the course of 2019-2020, the CISA planned and/or carried out several interesting research collaborations with external partners coming from the industry sector, the educational sector and the non-profit sector.

- A project with the foundation Education4Peace and the Football Association of Fribourg on the training of emotional competences in football was carried out from February to September 2019. Results were presented at a special event in Fribourg and several articles appeared in the general press.

- A collaboration with the Swiss School for Tourism and Hospitality on the training and assessment of emotional competences among hospitality students started in 2019 and continued throughout the whole year 2020.

- In collaboration with the Fondation Anouk and the Hopitaux Universitaires de Genève, a project was prepared and submitted to the Fondations Privés des HUG for an intervention study at the Service Psychiatrique in Jonction. The idea was to assess the impact of environmental changes on the well-being and emotional experience of patients and operators.

- A training-day at Coty Inc. was organized by CISA on emotions and emotion assessment in which several Coty managers and researchers participated.

- A research collaboration with the Police de Genève is currently ongoing on the role of emotions and emotional skills in recruitment and training, with the goal of improving the procedure and the outcome.

- A collaboration between Prof. Rudrauf, Prof. Corradi-Dell'Acqua, and Dr. Sahyoun about the use of VR in hospitals to facilitate interventions on children started in 2019 and obtained preliminary funding from the HUG Foundation and a prize at the Hackaton organized at HUG for innovation in medical practice.

- Prof. Tobias Brosch and Dr. Ulf Hahnel were granted a 4 year project by the Service Industriels de Genève entitled "Public Attitudes toward Geothermal Energy projects in Geneva (PAGE2): From public concerns and warning signals to communication solutions" (2019-2023).

9.2 PARTICIPATION AND ORGANIZATION IN OUTREACH ACTIVITIES

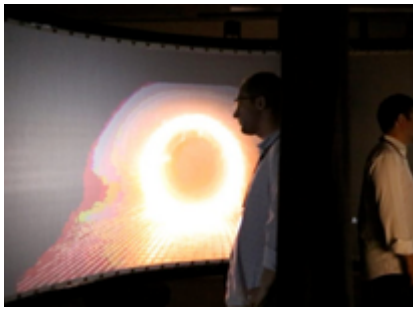
CISA has worked with major cultural institutions during 2019-2020.

Prof Géraldine Coppin and Dr Sylvain Delplanque developed, in close collaboration with the **Musée de la Main in Lausanne**, a major exhibition entitled "Quel Flair! Odeurs et Sentiments" (February 15, 2019 – February 23, 2020). In this framework, a variety of workshops, conferences, and public events took place throughout the year 2019 with the participation of CISA researchers (http://www.museedelamain.ch/)

The Conservatoire et Jardin Botanique de Genève invited seven CISA researchers including Prof. Didier Grandjean to take part in the exhibition "Symboles et sentiments" (May 23 to October 13, 2019). The researchers wrote texts for the exhibition, gave conferences and hosted meditation workshops.

Prof. Kerstin Preuschoff led the project entitled **"Exposure Science Film Hackathon",** which proposes a Swiss-wide event to train young scientists and filmmakers in science communication through film. It also aims to create a dialogue between scientists and people of all ages from the general public.

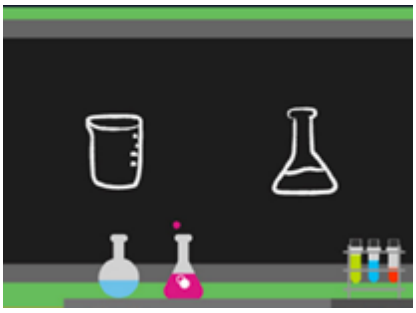
There were 3-day Hackathons in which scientists teamed up with artists to learn, explore and innovate on science communication. By the end of the 3 days beautiful films were created that accurately communicated science to the public. These films were presented to the local public in science cinema evenings During these events, the public was able to vote for their favourite film and engaged in discussion with the scientists and other participants. The organized events took place from November 2018 until April 2019 in Lausanne, Basel and Zurich, with a final screening taking place at Geneva Auditorium Arditi in Geneva on April 13, 2019.



The installation "Immersive Lab" was presented at **the Mapping and NIFF Festival.** The Immersive Lab is an artistic and technological research project developed by the CISA in collaboration with the Institute for Computer Music and Sound Technology (Zürich University of the Arts), with support from the Swiss National Science Foundation. This immersive laboratory is an audiovisual creation with surround sound and panoramic video, projected on an entirely touchscreen surface. It works as a platform for artistic creation and scientific research by focusing on interaction and perception. During the NIFF Festival, Simon Schaerlaeken and Donald Glowinski developed a world premiere performance/installation entitled "Beyond the Wall: The Unseen Coordination". They also gave a conference and a workshop during the NIFF (July5-13, 2019).

The Fondation de l'Hermitage in Lausanne invited the CISA to write in the exhibition catalogue and to organize a guided tour in the framework of the exhibition "Ombres, de la Renaissance à nos jours", which took place from June 28 to October 27, 2019. On October 13, Prof David Rudrauf in collaboration

with Vincent Du Bois, artist in residency at CISA during 2019-2020, hosted a guided tour of the exhibition.



CISA participated in the project "Objets de science" organized by the Campus Biotech Foundation and the Geneva **Musée d'Histoire des Sciences.** From September 2018 until June 2019, various institutions from the Campus Biotech presented a scientific object illustrative of their highly advanced research at Campus Biotech. Each object was shown in the lobby for a month and the members of the Campus Biotech were invited to guess its use. The objective was to provoke a reflection on the evolution of highly advanced science, and to guess the most innovative objects that will go down in history and merit their inclusion in a science history museum. The objects were then displayed in an exhibition at the Science History Museum during July and August 2019.

The **Théâtre Forum de Meyrin** invited six CISA researchers to reflect on the plays scheduled for the theatrical season (September 2019 - June 2020). Meetings of these researchers with the public were also planned. In 2019, three meetings and conferences took place.

Documentary filmmaker Yulia Lokshina and visual artist Angela Stiegler were artists in residency in 2019 in Prof. David Rudrauf's Lab. Their project "Subjective Hill" was shown on November 28 at Dynamo Cinema, **Centre d'Art Contemporain of Geneva.** https://centre.ch/en/events/subjective-hill/ *In Subjective Hill* (2019), Yulia Lokshina and Angela Stiegler follow a long-term virtual reality study on affective behaviour in stress situations conducted by Prof. David Rudrauf at the CISA in cooperation with the Geneva Police Force.

The Swiss Center for Affective Sciences was the scientific partner of the exhibition **"De l'Amour"** curated by Palais de la Découverte, Paris from October 8, 2019 to September 27, 2020.
The exhibition questions this mysterious feeling, calling for contemporary scientific work in biology, neuroscience, psychology, and artistic expression.

The Swiss National Science Foundation (SNSF) awarded in June 2020 the Swiss Center for Affective Sciences of the University of Geneva an Agora project, entitled « Body Resonance " in collaboration with the sound artist **Julie Semoroz** .
The project will be an installation and performances on bodily and emotional vocalizations and will be shown at Halle Nord and **la "Comédie"** in Geneva in March and May 2021.
This project is led by Prof **Didier Grandjean** in collaboration with the **FluxLaboratory/Foundation** and supported by **City of Geneva and Pro Helvetia.**

10. SHARED RESEARCH MATERIAL

The CISA makes research materials available on its research website page https://www.unige.ch/cisa/research/materials-and-online-research/research-material/ These materials are free of charge for use in non-commercial research projects. New materials are constantly added.

11. AWARDS AND GRANTS

TOBIAS BROSCH obtained a SIG grant (CHF400'000.-) for the project "Public attitudes toward geothermal Energy projects in Geneva: from public concerns and warning signals to communication solutions" (2019-2023).

BORIS CHEVAL was granted a 4 year Ambizione SNSF Fellowship (CHF 699'915.-) for his project entitled " Behaviors minimizing nergetic cost: A reward?" (2019-2021).

FLORIAN COVA obtained a grant (CHF 160'000.-) from a foundation for the project "Beyond charity : the varieties of value-driven emotions in philanthropic behavior" (2019-2021).

SEVGI DEMIROGLU was awarded a ThinkSwiss Asia-Pacific Research Scholarship (CHF 4'800.-) as an alumna of the Indian Institute of Technology Gandhinagar, India (2020).

DONALD GLOWINSKI obtained a SNSF Spark grant (CHF 99'562.-) for his project entitled "Sensors-based behavioral analytics for simulation-based interprofessional team training" (2020-2021). He also obtained a INNOGAP grant (CHF 29'108.-) for the project Team Tracker (2020-2021).

DIDIER GRANDJEAN was granted a 4 year SNSF project (CHF 899'738.-) entitled "Influence of peripheral information on behavioural and spatio-temporal neural mechanisms of vocal emotion production and perception" (2019-2023). He also obtained a SNSF Agora grant (CHF 46'216.-) for the project entitled "Body Resonance"(2020-2021), as well as a grant (CHF 200'000.-) in the context of the NCCR Evolving Language (2020.2024).

FRÉDÉRIC GROUILLER was granted a 3 year SNSF project (CHF 452'796.-) entitled "Real-Time multimodal imaging of functional brain networks using simultaneous EEG an fMRI acquisitions" (2020- 2022).

THIBAUD GRUBER was granted a SNSF Eccellenza grant (CHF 1'696'883.-) for his project "Why do we use tools? Investigating the drivers of tools use in non-humans and humans" (2020-2024). He also received on November 2019 a grant from the National Geographic Society Committee for his work on "Filling the gap: Documenting behavioral patterns of Bugoma chimpazees, Western Uganda".

ULF HAHNEL was granted a 3 year SNSF project (CHF 360'427.-) entitled "Consumer-driven impacts on the Grid: Peer effects on the diffusion of technologies and strategies to manage PV electricity and demand (Peer-to-Grid)" (2020-2023).

STEVE HUMBERT-DROZ obtained the prize of the Outstanding Student Paper for "Aesthetic properties without perception" at the 77th Meeting of the American Society for Aesthetics in October 2019.

ROBERTO KELLER obtained a SNSF Doc.CH grant (CHF 246'661.-) for his project entitled "On the Normativity of Correctness" (2020-2024).

MAEL LEBRETON has been awarded European Research Council starting grants (2021-2026) for his project "Characterizing information integration in reinforcement learning: a neuro-computational investigation".

ARTURS LOGINS was granted a 4 year SNSF Ambizione fellowship (CHF 525'821.-) entitled "Graded Epistemology" (2020-2024).

MARCELLO MORTILLARO obtained a Scientific Exchange SNSF (CHF 18'500.-) for the project "The role of the body, the face, and the voice in the perception of emotion" in 2019. He also obtained a grant from the Education 4 Peace Foundation for a project designed to "assess whether the training of emotional competences of youth sport coaches through the application of the Relational Compas can enhance positive personal development outcomes and athletic performance (2019).

MICHELE DAVIDE OMBRATO was granted a 9 months scholarship by the Fondation Ernst & Lucie Schmidheiny (2019).

EDGAR PHILLIPS was granted a Leverhulme Trust Study Abroad Studentship for a 15-month research stay (2020-2021) at the Institut Jean Nicod, Paris.

EVA POOL received a SNSF Ambizione grant (CHF 299'909.-) for her project entitled "Individual differences in emotional learning underpinning vulnerabilities to compulsive reward-seeking behaviors." (2020-2023).

ANTOINE REBOURG obtained a SNFS Doc.CH grant (CHF 245'366.-) for his project entitled "On strength of will" (2020-2022).

ULRIKE RIMMELE obtained an SNSF Eccellenza grant (CHF 1'769'538.-) for her projet "How emotion, stress and their regulation shape and alter episodic memories across the life span." (2020-2024).

DAVID RUDRAUF received a 36 month SNSF grant (CHF 654'442.-)for his project "Implementation of artificial affective agents capable of complex emotion and social perspective taking in virtual reality for behavioral science" (2020-2022).

DAVID SANDER, ERAN HALPERIN, OLGA KLIMECKI & PATRICIA CERNADAS CUROTTO were granted a 2 year UNIGE-HUJI Joint Seed Money Funding Scheme 2019 grant (CHF 5'550.-) entitled "Compassion training in intractable conflict" (2019-2021).

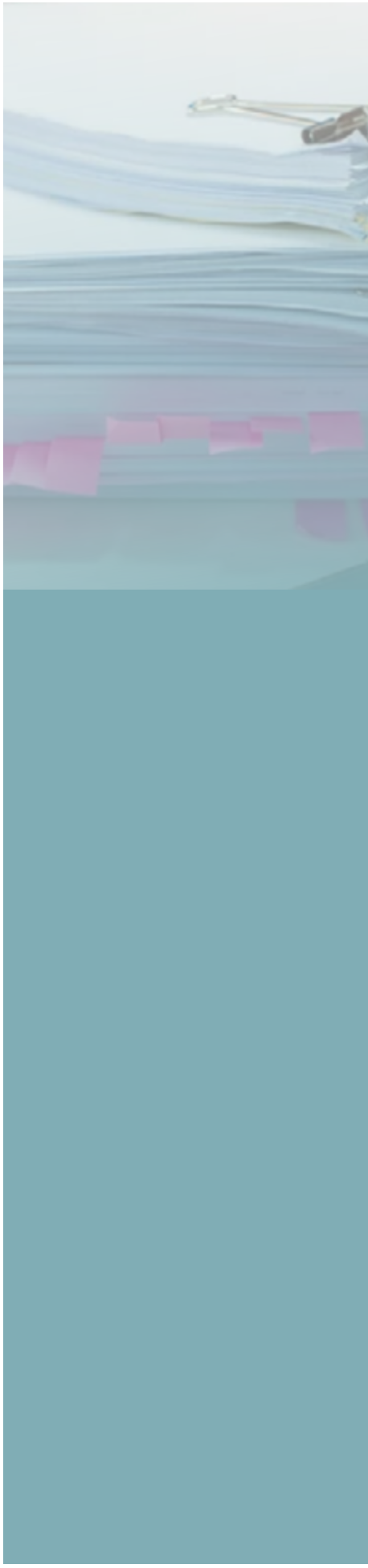
DAVID SANDER obtained a 2 year SNSF grant (CHF 497'143.-) entitled "Socio-emotional competences and academic performance in adolescents: a comparative evaluation of mindfulness meditation, improvisation theatre and board games interventions at school" (2020-2022).

LAURA SILVA was granted a Leverhulme Scholarship for a two-year research stay within Thumos (2020-2022).

YOANN STUSSI was awarded on September 9th, 2019 the Young Scientist Award from the Swiss Psychological Society (SSP). The SSP awards every two year a young researcher for his outstanding scientific work in the field of psychology.

NOÉMIE TREICHEL got the "Best Short Talk Award" at the Swiss Psychological Society (SPS) in Bern, the 11th September 2019 for her talk "The influence of cognitive, social and emotional phenotypes on the sense of humor: the case of Autism Spectrum Disorder and Williams syndrome".

12. COMPLETED PHD THESES



LIA ANTICO successfully defended her PhD thesis on « Beyond Unpleasantness. The interplay between social cognition and somatic affective states of pain and disgus » on July 16th, 2020 under the direction of Prof. Corrado Corradi dell'Acqua.

ALLAN BERROCAL successfully defended his PhD thesis "Peer-ceived Momentary Assessment: Empirical examination of a peer supported sensing method to augment personal sensing in human computer interaction" on August 28th, 2020 under the direction of Prof. Katarzyna Wac.

CORALIE DEBRACQUE successfully defended her PhD thesis "The Voice of Primates : Neuro-Evolutionary Aspects OF Emotions" on September 8th, 2020, under the direction of Prof Didier Grandjean and Prof. Thibaud Gruber.

SOLANGE DENERVAUD successfully defended her PhD thesis entitled "When Pedagogy Matters: Insights from Montessori Education on the Development of Performance Monitoring" on May 15th, 2020 under the direction of Prof. Patric Hagmann.

GIADA DIRUPO successfully defended her PhD thesis entitled "Cognitive and Neural Systems for Understanding others Pain" on April 23rd, 2020 under the direction of Prof. Corrado Corradi dell'Acqua.

OLIVIA DÖLL successfully defended her PhD thesis on "Four Essays in Behavioral Economics and Information Security" on July 10th, 2019, under the direction of Prof. Kerstin Preuschoff and Dr. Thomas Maillart.

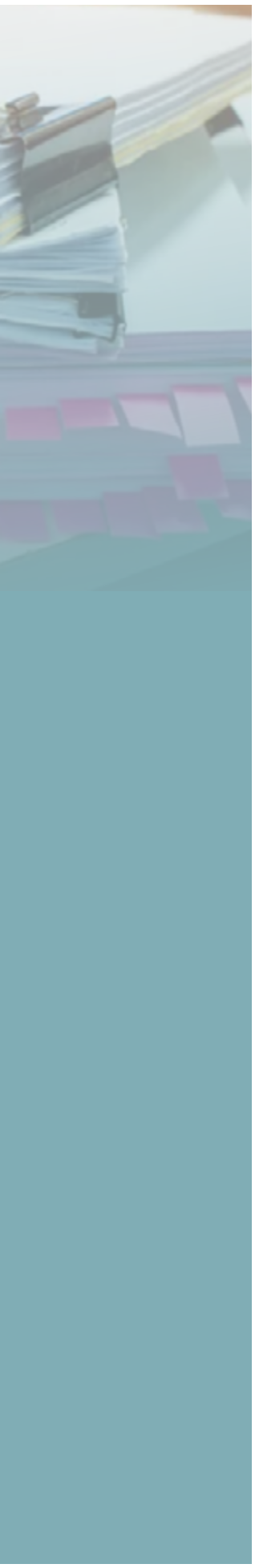
MOSHEN FALAHI successfully defended his PhD thesis "Golf theory – A Unifying Framework for Studying Humain Choice Behaviour" on October 26th, 2020 under the direction of Prof. Kerstin Preuschoff.

JASMIN MAHMOODI successfully defended her PhD thesis on "Applying insights from behavioural economics to nudge sustainable consumer choices" on December 5th, 2019, under the direction of Prof. Tobias Brosch.

AMAYA PALAMA successfully defended her PhD thesis on « La perception inter-modale (audio-visuelle) des expressions émotionnelles (joie, colère, peur ou dégoût) chez les bébés âgés de 1 à 6 mois et les enfants âgés de 5 à 10 ans : apports de l'oculométrie » on September 13th, 2019, under the direction of Prof. Edouard Gentaz.

SIMON SCHAERLAEKEN successfully defended his PhD thesis on "Being moved by music: literally and figuratively" on September 12th, 2019, under the direction of Prof. Didier Grandjean and Dr Donald Glowinsky.

YOANN STUSSI successfully defended his PhD thesis on "Relevance detection as a psychological determinant of emotional learning" May 15th, 2019, under the direction of Prof. David Sander and Gilles Pourtois.



13. COURSES TAUGHT (BACHELOR AND/OR MASTER)

Only courses taught in the field of affective sciences are listed below.

13.1 PROF. DAVID SANDER

Psychologie de l'émotion
Approches cognitives de l'émotion
Emotions et apprentissages

13.2 PROF. TOBIAS BROSCH

Affect et prise de décision
Efficience énergétique : stratégies d'intervention psychologique

13.3 PROF. JULIEN DEONNA

Le bonheur
Emotion et valeur

13.4 PROF. EDOUARD GENTAZ

Développement affectif et social de la naissance à l'adolescence
Introduction au développement social et affectif
Développement précoce des émotions

13.5 PROF. DIDIER GRANDJEAN

Expression et communication de l'émotion
Introduction à la neuropsychologie et neurosciences affectives
Neuropsychologie des émotions et neurosciences affectives
Neurosciences affectives (TP)

13.6 PROF. DAVID RUDRAUF

Intégration des signaux corporels et cérébraux dans l'étude de l'émotion : approches statistiques et expérimentales pour les sciences affectives

13.7 PROF. FABRICE TERONI

Philosophie contemporaine : philosophie des émotions (SE Thumos)

13.8 PROF. PATRIK VUILLEUMIER

Introduction to cognitive and affective neuroscience

14. CONTINUING EDUCATION

A continuing education session in Emotional Competencies in Professional Situations has been proposed in 2020. It aims to understand the central role of emotions and emotional competencies in professional worlds around two areas of interest: "Emotion, work and management" and "Emotion, childhood and learning".
https://www.unige.ch/formcont/promotions/competences-emotionnelles

15. LIST OF PUBLICATIONS JANUARY 2019-DECEMBER 2020

15.1 2019

A

Alameda-Pineda, X., Redi, M., Soleymani, M., Sebe, N., Chang, S., & Gosling, S. (2019). Special section on multimodal understanding of social, affective, and subjective attributes. *ACM Transactions on Multimedia Computing, Communications, and Applications*, 15(11), 1-3. doi:10.1145/3292061

Angulo, J., Fleury, V., Peron, J. A., Penzenstadler, L. E., Zullino, D. F., & Krack, P. (2019). Shame in parkinson'S disease: A review. *Journal of Parkinson's Disease*, 9(3), 489-499. doi:10.3233/JPD-181462

Antico, L., Cataldo, E., & Corradi Dell'Acqua, C. (2019). Does my pain affect your disgust? Cross-modal influence of first-hand aversive experiences in the appraisal of others' facial expressions. *European Journal of Pain*. doi:10.1002/ejp.1390

Antypa, A., Rodrigues Cabrita, D., Vuilleumier, P., & Rimmele, U. (2019). Cortisol suppression after memory reactivation impairs later memory performance. *Psychoneuroendocrinology*, doi:10.1016/j.psyneuen.2019.03.035

Antypa, A., Vuilleumier, P., & Rimmele, U. (2019). Suppressing but not intensifying emotion decreases arousal and subjective sense of recollection. *Emotion*, 19(6), 950-963. doi:10.1037/emo0000493

Apazoglou Duclous, K., Küng, A., Cordera, P., Aubry, J., Dayer, A., Vuilleumier, P., & Piguet, C. (2019). Rumination related activity in brain networks mediating attentional switching in euthymic bipolar patients. International *Journal of Bipolar Disorders*, 7(3), 1-13. doi:10.1186/s40345-018-0137-5

Aue Seil, T., Guex, R., Chauvigné, L., Okon-Singer, H., & Vuilleumier, P. (2019). Expectancies influence attention to neutral but not necessarily to threatening stimuli: An fMRI study. *Emotion*, 19(7), 1244-1258. doi:10.1037/emo0000496

B

Bègue, I., Vaessen, M., Hofmeister, J., Pereira Camejo, M., Schwartz, S., & Vuilleumier, P. (2019). Confidence of emotion expression recognition recruits brain regions outside the face perception network. *Social Cognitive and Affective Neuroscience*, 14(1), 81-95. doi:10.1093/scan/nsy102

Bhattacharjee, M., & Rudrauf, D. (2019). Nostalgia as an emerging property of the projective consciousness model. Retrieved from https://archive-ouverte.unige.ch/unige:126996

Biancardi, B., Wang, C., Mancini, M., Cafaro, A., Chanel, G., & Pelachaud, C. (2019). A computational model for managing impressions of an embodied conversational agent in real-time. 8th international conference on affective computing and intelligent interaction, ACII 2019, IEEE. doi:10.1109/ACII.2019.8925495 Retrieved from https://archive-ouverte.unige.ch/unige:142289

Bonard, C., & Neeser, B. (2019). Les incantatifs. Actes de langage, évaluations collectives etgroupes sociaux. Implicationsphilosophiques, édition spéciale "Emotions et Collectifs Sociaux". Retrieved from https://www.implications-philosophiques.org/ethique-et politique/ethique/lesincantatifs-actes-de-langage-evaluations-collectives-et-groupessociaux/

Bressoud, N., Bétrisey, I., & Gay, P. (2019). Vers une pédagogie inspire des pratiques de psychologie positive. *Résonances*, 9, 12–13

Burra, N., Kerzel, D., Munoz Tord, D., Grandjean, D. M., & Ceravolo, L. (2019). Early spatial attention deployment toward and away from aggressive voices. *Social Cognitive and Affective Neuroscience*, 14(1), 73-80. doi:10.1093/scan/nsy100

Cekic, S., Grandjean, D. M., & Renaud, O. (2019). Multiscale bayesian state space model for granger causality analysis of brain signal. Journal of Applied Statistics, 46(1), 66-84. doi:10.1080/02664763.2018.1455814

Cernadas Curotto, P., Halperin, E., Sander, D., & Klimecki-Lenz, O. M. (2019). Emotions in attackerdefender conflicts [commentary]. *Behavioral and Brain Sciences*, 42, e120

Cheval, B., Chabert, C., Orsholits, D., Sieber, S., Guessous, I., Blane, D., . . . Cullati, S. (2019). Disadvantaged early-life socioeconomic circumstances are associated with low respiratory function in older age. Journals of Gerontology.A*, Biological Sciences and Medical Sciences*, 74(7), 1134-1140. doi:10.1093/gerona/gly177

Cheval, B., Chabert, C., Sieber, S., Orsholits, D., Cooper, R., Guessous, I., . . . Cullati, S. (2019). Association between adverse childhood experiences and muscle strength in older age. *Gerontology,* 65(5), 474-484. doi:10.1159/000494972

Cheval, B., Orsholits, D., Sieber, S., Stringhini, S., Courvoisier, D., Kliegel, M., . . . Cullati, S. (2019). Early-life socioeconomic circumstances explain health differences in old age, but not their evolution over time. *Journal of Epidemiology and Community Health*, 73(8), 703-711. doi:10.1136/jech-2019-212110

Cheval, B., Rebar, A. L., Miller, M. W., Sieber, S., Orsholits, D., Baranyi, G., Courvoisier, D., Cullati, S., Sander, D., Chalabaev, A., & Boisgontier, M. P. (2019). Cognitive resources moderate the adverse impact of poor perceived neighborhood conditions on self-reported physical activity of older adults. *Preventive Medicine*, 126, 105741

Chilla, C., Cereghetti, D., Cayeux, I., Porcherot, C., Delplanque, S., & Sander, D. (2019). Measuring wanting without asking: The pavlovian-to-instrumental transfer paradigm under test. *Food Quality and Preference*, 103720. doi:10.1016/j.foodqual.2019.103720

Chorna, O., Filippa, M., Alme, J., Rebenaque-Martinez, L., Monaci, M. G., Hüppi, P. S., . . . Guzzetta, A. (2019). Neuroprocessing mechanisms of music during fetal and neonatal development: A role in neuroplasticity and neurodevelopment. *Neural Plasticity*, 1-10. doi:10.1155/2019/3972918

Clément, F., & Dukes, D. (2019a). A difficult introduction to affective social learning. In D. Dukes & F. Clément (Eds.), *Foundations of Affective Social Learning: Conceptualizing the Social Transmission of Value*. https://doi.org/10.1017/9781108661362.001

Clément, F., & Dukes, D. (2019b). Conclusion: Laying the Foundations of Affective Social Learning. In D. Dukes & F. Clément (Eds.), *Foundations of Affective Social Learning: Conceptualizing the Social Transmission of Value*. https:// doi.org/10.1017/9781108661362.001

Coll, S. Y., Frühholz, S., & Grandjean, D. (2019). Audiomotor integration of angry and happy prosodies. *Psychological Research,* 83(8), 1640– 1655. https://doi.org/10.1007/s00426-018-1020-9

Coll, S. Y., Glauser, A., & Grandjean, D. M. (2019). Timing is crucial for the integration of angry facial expressions with motor responses: Investigation of subliminal and supraliminal emotion–action bindings. *Emotion*, 19(3), 543-557. doi:10.1037/emo0000457

Coll, S. Y., Vuichoud, N., Grandjean, D. M., & James, C. (2019). Electrical neuroimaging of music processing in pianists with and without true absolute pitch. *Frontiers in Neuroscience*, 13. doi:10.3389/fnins.2019.00142

Corradi Dell'Acqua, C., Foerster, M., Sharvit, G. S., Trueb, L., Foucault, E., Fournier, Y., . . . Hugli, O. (2019). Pain management decisions in emergency hospitals are predicted by brain activity during empathy and error monitoring. *British Journal of Anaesthesia*. doi:10.1016/j.bja.2019.01.039

Cova, F., Boudesseul, J., & Lantian, A. (2019). "Sounds Fine, But No Thanks!": On Distinguishing Judgments About Action and Acceptability in Attitudes Toward Cognitive Enhancement. *AJOB Neuroscience*, 10(1), 57–59. https://doi.org/10.1080/21507740.2019.159 5777

Cova, F., Olivola, C. Y., Machery, E., Stich, S., Rose, D., Alai, M., ... Zhu, J. (2019). De Pulchritudine non est Disputandum? A cross-cultural investigation of the alleged intersubjective validity of aesthetic judgment. *Mind & Language*, 34(3), 317–338. https://doi.org/10.1111/mila.12210

D

Dominguez Borras, J., Guex, R., Mendez-Bertolo, C., Legendre, G. Y. T., Spinelli, L. J., Moratti, S., . . . Vuilleumier, P. (2019). Human amygdala response to unisensory and multisensory emotion input: No evidence for superadditivity from intracranial recordings. *Neuropsychologia*, 131, 9-24. doi:10.1016/j.neuropsychologia.2019.05.027

E

Enav, Y., Erhard-Weiss, D., Kopelman, M., Samson, A. C., Mehta, S., Gross, J. J., & Hardan, A. Y. (2019). A non randomized mentalization intervention for parents of children with autism. *Autism Research*, 12(7), 1077-1086. doi:10.1002/aur.2108

F

Fernandez Clares, N., Trost, J. W., & Vuilleumier, P. (2019). Brain networks mediating the influence of background music on selective attention. *Social Cognitive and Affective Neuroscience*, 14(12), 1441-1452. doi:10.1093/scan/nsaa004

Filippa, M., Monaci, M. G., & Grandjean, D. M. (2019). Emotion attribution in nonverbal vocal communication directed to preterm infants. *Journal of Nonverbal Behavior*, 43(1), 91-104. doi:10.1007/s10919-018-0288-1

Filippa, M., Poisbeau, P., Mairesse, J., Monaci, M. G., Baud, O., Hüppi, P. S., . . . Kuhn, P. (2019). Pain, parental involvement, and oxytocin in the neonatal intensive care unit. *Frontiers in Psychology,* 10(715). doi:10.3389/fpsyg.2019.00715

Filippa, M., Rebenaque-Martinez, L., Alves Sa De Almeida,Joana Rita, Monaci, M. G., Adam-Darque, A., Grandjean, D. M., . . . Hüppi, P. S. (2019). Early vocal contact and music in the NICU: New insights into preventive interventions. *Pediatric Research.* doi:10.1038/s41390-019-0490-9

Fontanesi, L., Palminteri, S., & Lebreton, M. (2019). Decomposing the effects of context valence and feedback information on speed and accuracy during reinforcement learning: A meta-analytical approach using diffusion decision modeling. *Cognitive Affective and Behavioral Neuroscience,* 19(3), 490-502. doi:10.3758/s13415-019-00723-1

Fröhlich, M., Sievers, C., Townsend, S. W., Gruber, T., & van Schaik, C. P. (2019). Multimodal communication and language origins: Integrating gestures and vocalizations. *Biological Reviews*. doi:10.1111/brv.12535
Gallot, Q., & Gruber, T. (2019). Spontaneous use and modification of a feather as a tool in a captive common raven. *Ethology*, 125(10), 755-758. doi:10.1111/eth.12928

Gay, P., Bressoud, N., Lucciarini, E., Gomez, J.-M., Rime, J., & Samson, A. C. (2019). What are the functions of positive emotions in fostering school engagement in primary school (and how to deal with it)? In L. Castelli, J. Marcionetti, A. Plata, & A. Ambrosetti (Eds.), *Well-being in Education Systems* (Hogrefe). Firenze, Italy: Hogrefe

Goffin, K., & Cova, F. (2019). An empirical investigation of guilty pleasures. *Philosophical Psychology*, 32(7), 1129-1155

Gruber, T., Deschenaux, A., Frick, A., & Clement, F. (2019). Group membership influences more social identification than social learning or overimitation in children. *Child Development*, 90(3), 728-745. doi:10.1111/cdev.12931

Gruber, T., Frick, A., Hirata, S., Adachi, I., & Biro, D. (2019). Spontaneous categorization of tools based on observation in children and chimpanzees. *Scientific Reports*, 9(1) doi:10.1038/s41598-019-54345-1

Gruber, T., Luncz, L., Mörchen, J., Schuppli, C., Kendal, R. L., & Hockings, K. (2019). Cultural change in animals: A flexible behavioural adaptation to human disturbance. *Palgrave Communications*, 5(64) doi:10.1057/s41599-019-0271-4

Grund, C., Neumann, C., Zuberbühler, K., & Gruber, T. (2019). Necessity creates opportunities for chimpanzee tool use. *Behavioral Ecology*, 30(4), 1136-1144. doi:10.1093/beheco/arz062

Guex, R., Hofstetter, C., Dominguez Borras, J., Méndez-Bértolo, C., Sterpenich, V., Spinelli, L., . . . Vuilleumier, P. (2019). Neurophysiological evidence for early modulation of amygdala activity by emotional reappraisal. *Biological Psychology*, 145, 211-223. doi:10.1016/j.biopsycho.2019.05.006

Gupta, R., Raymond, J. E., & Vuilleumier, P. (2019). Priming by motivationally salient distractors produces hemispheric asymmetries in visual processing. *Psychological Research*, 83(8), 1798-1807. doi:10.1007/s00426-018-1028-1

Hannikainen, I. R., Machery, E., Rose, D., Stich, S., Olivola, C. Y., Sousa, P., ... & Berniūnas, R. (2019). For whom does determinism undermine moral responsibility? Surveying the conditions for free will across cultures. *Frontiers in Psychology*, 10, 2428

Hille, S., Weber, S., & Brosch, T. (2019). Consumers' preferences for electricity-saving programs: Evidence from a choice-based conjoint study. *Journal of Cleaner Production*, 220, 800–815. https://doi.org/10.1016/j.jclepro.2019.02.142

Horn, A. B., Samson, A. C., Debrot, A., & Perrez, M. (2019). Positive humor in couples as interpersonal emotion regulation: A dyadic study in everyday life on the mediating role of psychological intimacy. *Journal of Social and Personal Relationships*, 36(8), 2376-2396. doi:10.1177/0265407518788197

Hoven, M., Lebreton, M., Engelmann, J. B., Denys, D., Luigjes, J., & van Holst, R. J. (2019). Abnormalities of confidence in psychiatry: An overview and future perspectives. *Translational Psychiatry,* 9(1), 268. doi:10.1038/s41398-019-0602-7

Humbert-Droz, S. (2019). [Compte rendu de :] supposition and the imaginative realm. A philosophical inquiry / Margherita Arcangeli. - New York : Routledge, 2018. *Dialectica*, 73(4), 598-602. doi:10.1111/1746-8361.12282

Humbert-Droz, S. (2019). Commentary on "supposition and the imaginative realm" by margherita arcangeli. The Junkyard, a Scholarly Blog Devoted to the Study of Imagination, Retrieved from https://archive-ouverte.unige.ch/unige:114878

Ihle, A., Zuber, S., Gouveia, É., Gouveia, B., Mella, N., Desrichard, O., . . . Kliegel, M. (2019). Cognitive reserve mediates the relation between openness to experience and smaller decline in executive functioning. *Dementia and Geriatric Cognitive Disorders, 48*(1-2), 39-44. doi:10.1159/000501822

James, C. (2019). Préface. In M. Thaut & V. Hoemberg (Ed.), Manuel clinique de rééducation par la musique : Comment la musique contribue à soigner le cerveau. Louvain-la-Neuve: De Boeck Supérieur. Retrieved from https://archive-ouverte.unige.ch/unige:128173

Jaquet, F., & Naar, H. (2019). Qui peut sauver la morale ?: Essai de métaéthique Ithaque. Retrieved from https://archive-ouverte.unige.ch/unige:117009

Kompotis, K., Hubbard, J., Emmenegger, Y., Perrault, A., Muhlethaler, M., Schwartz, S., . . . Franken, P. (2019). Rocking promotes sleep in mice through rhythmic stimulation of the vestibular system. *Current Biology, 29*(3), 392-401.e4. doi:10.1016/j.cub.2018.12.007

Koush, Y., Pichon, S. J. A., Eickhoff, S. B., Van De Ville, D., Vuilleumier, P., & Scharnowski, F. (2019). Brain networks for engaging oneself in positive-social emotion regulation. *NeuroImage*, 189, 106-115. doi:10.1016/j.neuroimage.2018.12.049

Landmann, H., Cova, F., & Hess, U. (2019). Being moved by meaningfulness: Appraisals of surpassing internal standards elicit being moved by relationships and achievements. *Cognition & Emotion*, 33(7), 1387–1409. https://doi.org/10.1080/02699931.2019.1567463

Lebreton, M., Bacily, K., Palminteri, S., & Engelmann, J. B. (2019). Contextual influence on confidence judgments in human reinforcement learning. *PLOS Computational Biology*, 15(4), e1006973. doi:10.1371/journal.pcbi.1006973

Lebreton, M., Bavard, S., Daunizeau, J., & Palminteri, S. (2019). Assessing inter-individual differences with task-related functional neuroimaging. *Nature Human Behaviour*, doi:10.1038/s41562-019-0681-8

Lebreton, Mael, & Preuschoff, K. (2019). Neuroeconomics: Data analysis. In Handbook of Research Methods and Applications in Experimental Economics

Lejeune, F., Lordier, L., Pittet, M. P., Schoenhals, L., Grandjean, D., Hüppi, P. S., ... Borradori Tolsa, C. (2019). Effects of an Early Postnatal Music Intervention on Cognitive and Emotional Development in Preterm Children at 12 and 24 Months: Preliminary Findings. *Frontiers in Psychology*, 10, 494. https://doi.org/10.3389/fpsyg.2019.00494

Lemercier-Talbot, A., Coppin, G., Cereghetti, D., Porcherot, C., Cayeux, I., & Delplanque, S. (2019). Measuring Automatic Associations between Relaxing/Energizing Feelings and Odors. *Food Quality and Preference*, 77, 21–31. https://doi.org/10.1016/j.foodqual.2019.04.010

Logins, A. (2019). Basic Knowledge and Conditions on Knowledge, Cambridge: Open Book Publishers, 2017. *Dialectica*, 73, 280–285.https://doi.org/10.1111/1746-8361.12258

Lejeune, F., Rebenaque-Martinez, L., Pittet, M., Schoenhals, L., Grandjean, D. M., Hüppi, P. S., . . . Borradori Tolsa, C. (2019). Effects of an early postnatal music intervention on cognitive and emotional development in preterm children at 12 and 24 months: Preliminary findings. *Frontiers in Psychology*, 10(494), 1-12. doi:10.3389/fpsyg.2019.00494

Lemercier-Talbot, A., Coppin, G., Cereghetti, D., Porcherot, C., Cayeux, I., & Delplanque, S. (2019). Measuring automatic associations between Relaxing/Energizing feelings and odors. *Food Quality and Preference*, 77, 21-31. doi:10.1016/j.foodqual.2019.04.010

Logins, A. (2019). Basic Knowledge and Conditions on Knowledge, Cambridge: Open Book Publishers, 2017. *Dialectica*, 73, 280–285.https://doi.org/10.1111/1746-8361.12258

Lordier, L., Loukas, S., Grouiller, F., Vollenweider, A., Vasung, L., Meskaldij,
D.-E., ... Hüppi, P. S. (2019). Music processing in preterm and full-term newborns: A psychophysiological interaction (PPI) approach in neonatal fMRI. *NeuroImage*, 185, 857–864. https://doi.org/10.1016/j.neuroimage.2018.03.078

Lordier, L., Meskaldji, D.-E., Grouiller, F., Pittet, M. P., Vollenweider, A., Vasung, L., ... Hüppi, P. S. (2019). Music in premature infants enhances high-level cognitive brain networks. Proceedings of the *National Academy of Sciences of the United States of America,* 116(24), 12103–12108. https://doi.org/10.1073/pnas.1817536116

Loued-Khenissi, L., Döll, O., & Preuschoff, K. (2019). An Overview of Functional Magnetic Resonance Imaging Techniques for Organizational Research. *Organizational Research Methods*, 22(1), 17–45. https://doi.org/10.1177/1094428118802631

Loued-Khenissi, L., Pfeuffer, A., Einhäuser, W., & Preuschoff, K. (2019). Anterior Insula Reflects Inferential Errors in Value-Based Decision-making and Perception. *BioRxiv*, 644427. https://doi.org/10.1101/644427

Lucas Balogh, N., Bourgeois, A., Carrera, E., Landis, T., & Vuilleumier, P. (2019). Impaired visual search with paradoxically increased facilitation by emotional features after unilateral pulvinar damage. *Cortex, 120*, 223-239. doi:10.1016/j.cortex.2019.06.009

Meaux, E., Sterpenich, V., & Vuilleumier, P. (2019). Emotional learning promotes perceptual predictions by remodeling stimulus representation in visual cortex. *Scientific Reports*, 9(1), 16867. doi:10.1038/s41598-019-52615-6

Miendlarzewska, E. A., Kometer, M., & Preuschoff, K. (2019). Neurofinance. *Organizational Research Methods*, 22(1), 196–222. https:// doi.org/10.1177/1094428117730891

Mihaylova, M., Vuilleumier, P., & Rimmele, U. (2019). Better memory for intrinsic versus extrinsic details underlies the enhanced recollective experience of negative events. *Learning & Memory*, 26(11), 455-459. doi:10.1101/lm.049734.119

Montagrin, A., Martins-Klein, B., Sander, D., & Mather, M. (2019). Effects of hunger on emotional arousal responses and Attention/Memory biases. *Emotion*, doi:10.1037/emo0000680

Muszynski, M., Tian, L., Lai, C., Moore, J., Kostoulas, T., Lombardo, P., . . . Chanel, G. (2019). Recognizing induced emotions of movie audiences from multimodal information. IEEE Transactions on Affective Computing, doi:10.1109/TAFFC.2019.2902091

P

Perrault, A., Bayer, L., Peuvrier, M., Afyouni, A., Ghisletta, P., Brockmann, C. D., . . . Sterpenich, V. (2019). Reducing the use of screen electronic devices in the evening is associated with improved sleep and daytime vigilance in adolescents. *Sleep*, 42(9), zsz125. doi:10.1093/sleep/zsz125

Perrault, A., Khani, A., Quairiaux, C., Kompotis, K., Franken, P., Muhlethaler, M., . . . Bayer, L. (2019). Whole-night continuous rocking entrains spontaneous neural oscillations with benefits for sleep and memory. *Current Biology,* 29(3), 402-411.e3. doi:10.1016/j.cub.2018.12.028

Pool, E. R., & Sander, D. (2019). Vulnerability to relapse under stress: insights from affective neuroscience. *Swiss Medical Weekly*.149:w20151

Pool, E. R., & Sander, D. (2019). Considerations for the study of "incentive hope" and sign-tracking behaviors in humans [commentary]. *Behavioral and Brain Sciences*, 42,e48

R

Rebenaque-Martinez, L., Meskaldji, D. E., Grouiller, F., Pittet, M., Vollenweider, A., Vasung, L., . . . Hüppi, P. S. (2019). Music in premature infants enhances high-level cognitive brain networks. *Proceedings of the National Academy of Sciences*, 116(24), 12103-12108. doi:10.1073/pnas.1817536116

Rose, D., Machery, E., Stich, S., Alai, M., Angelucci, A., Berni_nas, R., Zhu, J. (2019). Nothing at Stake in Knowledge*. *Nous*, 53(1), 224 247.https://doi.org/10.1111/nous.12211

S

Scherer, K. R., Dieckmann, A., Unfried, M., Ellgring, H., & Mortillaro, M. (2019). Investigating appraisal-driven facial expression and inference in emotion communication. *Emotion*, doi:10.1037/emo0000693

Scherer, K. R., Ellgring, H., Dieckmann, A., Unfried, M., & Mortillaro, M. (2019). Dynamic facial expression of emotion and observer inference. *Frontiers in Psychology,* 10, 508. doi:10.3389/fpsyg.2019.00508

Schlegel, K., & Mortillaro, M. (2019). The geneva emotional competence test (GEC0): An ability measure of workplace emotional intelligence. *Journal of Applied Psychology*, 104(4), 559-580. doi:10.1037/apl0000365

Schuller, B., Weninger, F., Zhang, Y., Ringeval, F., Batliner, A., Steidl, S., . . . Mortillaro, M. (2019). Affective and behavioural computing: Lessons learnt from the first computational paralinguistics challenge. *Computer Speech and Language*, 53, 156-180. doi:10.1016/j.csl.2018.02.004

Sennwald, V., Pool, E. R., Delplanque, S., Bianchi-Demicheli, F., & Sander, D. (2019). Outcome-specific and general Pavlovian-to-instrumental transfers involving sexual rewards. *Motivation Science*. https://doi.org/10.1037/mot0000129

Sharvit, G. S., Vuilleumier, P., & Corradi Dell'Acqua, C. (2019). Sensory-specific predictive models in the human anterior insula. F1000Research, 8, 164. doi:10.12688/f1000research.17961.1

Sterpenich, V., Perogamvros, L., Tononi, G., & Schwartz, S. (2019). Fear in dreams and in wakefulness: Evidence for day/night affective homeostasis. *Human Brain Mapping*, doi:10.1002/hbm.24843

Sterpenich, V., Vidal, S., Hofmeister, J., Michalopoulos, G., Bancila, V., Warrot, D., . . . Vutskits, L. (2019). Increased reactivity of the mesolimbic reward system after ketamine injection in patients with treatment-resistant major depressive disorder. *Anesthesiology*, 130(6), 923-935. doi:10.1097/ALN.0000000000002667

Stöckli, S., Schulte-Mecklenbeck, M., Borer, S., & Samson, A. (2019). A practical guide for automated facial emotion. In M. Schulte-Mecklenbeck, A. Kuehberger, & J. G. Johnson (Eds.), *A Handbook of Process Tracing Methods for Decision Research: A Critical Review and User's Guide* (2nd Edition, pp. 196–214). New York: Taylor & Francis

Stussi, Y. (2019). Relevance detection as a psychological determinant of emotional learning doi:10.13097/archive-ouverte/unige:119879 Retrieved from https://nbn-resolving.org/urn:nbn:ch:unige-1198799

Stussi, Y., Ferrero, A., Pourtois, G., & Sander, D. (2019). Achievement motivation modulates pavlovian aversive conditioning to goal-relevant stimuli. *Npj Science of Learning*, 4(4) doi:10.1038/s41539-019-0043-3

Teroni, F. (2019). Emotion, fiction and rationality. *The British Journal of Aesthetics*, 59(2), 113-128. doi:10.1093/aesthj/ayz015

Teroni, F. (2019). Valence, bodily (dis)pleasure, and emotion. In Bain, D., Brady, M. and Corns,J. (Ed.), *Philosophy of suffering: Metaphysics, value, and normativity* (pp. 103-122). New York: Routledge. Retrieved from https://archive-ouverte.unige.ch/unige:144234

Teroni, F. (2019). La phénoménologie de la mémoire'. In M. Déro (Ed.), *Mémoires en mutation* (pp. 91–102). Villeneuve d'Ascq: Presses du Septentrion

Thomasson, M., Saj, A., Benis, D., Grandjean, D. M., Assal, F., & Peron, J. A. (2019). Cerebellar contribution to vocal emotion decoding: Insights from stroke and neuroimaging. *Neuropsychologia*, 132, 107141. doi:10.1016/j.neuropsychologia.2019.107141

Vazard, J., & Deonna, J. (2019). Darker Sides of Guilt. In B. Cokelet & C. Maley (Eds.), The Moral Psychology of Guilt. Retrieved from https://rowman.com/ ISBN/9781786609656/*The-Moral-Psychology-of-Guilt*

Vazard, Juliette. (2019). Passions Et Psychopathologie. In G. Origgi (Ed.), *Dictionnaire des Passions Sociales*. Presse Universitaire de France

Vazard, J. (2019). (Un)reasonable doubt as affective experience: obsessive-compulsive disorder, epistemic anxiety and the feeling of uncertainty. *Synthese*, 1-18. https://doi.org/10.1007/s11229-019-02497-y

Wang, C., Pun, T., & Chanel, G. (2019). Your body reveals your impressions about others: A study on multimodal impression detection. Paper presented at the Retrieved from https://archive-ouverte.unige.ch/unige:123960

Yilmaz, S., Majcen, D., Heidari, M., Mahmoodi, J., Brosch, T., & Patel, M. (2019). Analysis of the impact of energy efficiency labelling and potential changes on electricity demand reduction of white goods using a stock model: The case of switzerland. *Applied Energy*, 239, 117-132. doi:10.1016/j.apenergy.2019.01.137

15.[2] 2020

A

Aberg, C. K., Kramer, E., & Schwartz, S. (2020). Interplay between midbrain and dorsal anterior cingulate regions arbitrates lingering reward effects on memory encoding. *Nature Communications*, 11(1), 1829. doi:10.1038/s41467-020-15542-z

Aberg, C. K., Kramer, E., & Schwartz, S. (2020). Neurocomputational correlates of learned irrelevance in humans. *NeuroImage*, 213, 116719. doi:10.1016/j.neuroimage.2020.116719

Adam-Darque, A., Freitas, L., Grouiller, F., Sauser, J., Lazeyras, F., Van De Ville, D., . . . Ha Vinh Leuchter,Elisa Russia Tuyet Mai. (2020). Shedding light on excessive crying in babies. *Pediatric Research*, doi:10.1038/s41390-020-1048-6

Adam-Darque, A., Pittet, M., Grouiller, F., Rihs, T., Ha Vinh Leuchter,Elisa Russia Tuyet Mai, Lazeyras, F., . . . Hüppi, P. S. (2020). Neural correlates of voice perception in newborns and the influence of preterm birth. *Cerebral Cortex*, doi:10.1093/cercor/bhaa144

Allard, A., & Cova, F. (2020). Equality Beyond Needs-Satisfaction: An Empirical Investigation. *Journal of Applied Philosophy,* 37(2), 273-298

B

Bonard, C., & Humbert-Droz, S. (2020). Art (définitions). In M. Kristanek (Eds.), *Encyclopédie Philosophique*. Available at: http://encyclo-philo.fr/art-a/

Bressoud, N., Durand, J.-P., Garnier, S., & Shankland, R. (2020). Interventions de psychologie positive: Leviers pour le développement du pouvoir d'agir des personnes en situation de handicap. In C. Dussart, M.-A. Ngo, V. Siranyan, & P. Sommer (Eds.), *De la démocratie sanitaire à la démocratie en santé* (pp. 69–82). LEH Edition

C

Carlson, H., Leitão, J., Delplanque, S., Cayeux, I., Sander, D., & Vuilleumier, P. (2020). Sustained effects of pleasant and unpleasant smells on resting state brain activity. *Cortex*, 132, 386-403. doi:10.1016/j.cortex.2020.06.017. Epub ahead of print. PMID: 33039687.

Cereghetti, D., Chilla, C., Porcherot, C., Sander, D., Cayeux, I., & Delplanque, S. (2020). LikeWant: A new methodology to measure implicit wanting for flavors and fragrances. *Food Quality and Preference*, 80, 103829. doi:10.1016/j.foodqual.2019.103829

Chanel, G., & Lopes, P. (2020). User evaluation of affective dynamic difficulty adjustment based on physiological deep learning. International conference on human-computer interaction, augmented cognition (). Cham: Springer. doi:10.1007/978-3-030-50353-6_1 Retrieved from https://archive-ouverte.unige.ch/unige:142293

Clément, F., & Dukes, D. (2020). Affective Social Learning serves as a quick and flexible complement to TTOM. *Behavioral and Brain Sciences*, 43. https://doi.org/10.1017/S0140525X19002784

Coppin, G. (2020). The COVID-19 may help enlightening how emotional food is. *Npj Science of Food*, 4, 10. doi: 10.1038/s41538-020-00071-2

Corradi-Dell'Acqua C., Ronchi R., Thomasson M., Bernati T., Saj A., & Vuilleumier P. (2020). Deficits in cognitive and affective theory of mind relate to dissociated lesion patterns in prefrontal and insular cortex. *Cortex*, 128, 218-233. doi: 10.1016/j.cortex.2020.03.019

Couto, J., van Maanen, L., & Lebreton, M. (2020). Investigating the origin and consequences of endogenous default options in repeated economic choices. *PLOS ONE*, 15(8), e0232385. doi:10.1371/journal.pone.0232385

D

Debracque, C. (2020). The voice of primates: Neuro-evolutionary aspects of emotions. doi:10.13097/archive-ouverte/unige:143258 Retrieved from https://nbn-resolving.org/urn:nbn:ch:unige-1432583

Dell'Angela, L., Zaharia, A., Lobel, A., Vico Begara, O., Sander, D., & Samson, A. C. (2020). Board Games on Emotional Competences for School-Age Children. *Games for Health Journal,* 9(3), 1-10. https://doi.org/10.1089/g4h.2019.0050

Deonna, J., & Teroni, F. (2020). 'Emotional Experience: Affective Consciousness and its Role in Emotion Theory'. In U. Kriegel (eds.), *Oxford Handbook of Philosophy of Consciousness* (pp. 102-123). New York: Oxford University Press

Deonna, J. (2020). 'On the Good that Moves us'. *The Monist*, 103(2), 190–204. https://doi.org/10.1093/monist/onz035

Dirupo G., Garlasco P., Chappuis C., Sharvit G., & Corradi-Dell'Acqua C. (2020). State-specific and supraordinal components of facial response to pain. IEEE Transactions of Affective Computing. doi: 10.1109/TAFFC.2020.2965105

Dirupo G., Corradi-Dell'Acqua C., Kashef M., Debbané M., & Badoud D. (2020). The role of interoception in understanding others' affect. Dissociation between superficial and detailed appraisal of facial expressions. *Cortex,* 130, 16-31. doi: 10.1016/j.cortex.2020.05.010

Doell, K., Olié, E., Courtet, P., Corradi Dell'Acqua, C., Perroud, N. A., & Schwartz, S. (2020). Atypical processing of social anticipation and feedback in borderline personality disorder. *NeuroImage: Clinical*, 25, 102126. doi:10.1016/j.nicl.2019.102126

Dominguez Borras, J., Moyne, M., Saj, A., Guex, R., & Vuilleumier, P. (2020). Impaired emotional biases in visual attention after bilateral amygdala lesion. *Neuropsychologia*, 137, 107292. doi:10.1016/j.neuropsychologia.2019.107292

Dos Santos Mamed, M., Castellsague, M., Perrenoud, L., Coppin, G., Gastaldi, G. (2020). Diabète sucré : impact des affects sur les compétences d'auto-gestion [Diabetes mellitus: Impact of affects on self-management skills]. Revue Médicale Suisse [Swiss medical Journal], 16, 1206-1209

F

Ferdenzi, C., Richard Ortegón, S., Delplanque, S., Baldovini, N., & Bensafi, M. (2020). Interdisciplinary challenges for elucidating human olfactory attractiveness. Philosophical Transactions of the Royal Society.B, *Biological Sciences*, 375(1800), 20190268. doi:10.1098/rstb.2019.0268

Filippa, M., Cornara, S., Monaci, M., Grandjean, D. M., Nuti, G., & Nadel, J. (2020). L'imitation sonore durant la période préverbale : Enjeux théoriques et dispositifs. *Enfance,* (1), 131-148. doi:10.3917/enf2.201.0131

Fruehholz, S., Trost, W., Grandjean, D. M., & Belin, P. (2020). Neural oscillations in human auditory cortex revealed by fast fMRI during auditory perception. *NeuroImage*, 207, 116401. doi:10.1016/j.neuroimage.2019.116401

G

Guex, R., Mendez-Bertolo, C., Moratti, S., Strange, B., Spinelli, L., Murray, R., . . . Dominguez Borras, J. (2020). Temporal dynamics of amygdala response to emotion- and action-relevance. *Scientific Reports*, 10(1), 11138. doi:10.1038/s41598-020-67862-1

Grandjean, D. M. (2020). Brain networks of emotional prosody processing. *Emotion Review,* 175407391989852. doi:10.1177/1754073919898522

J

James, C., Zuber, S., Dupuis Lozeron, E., Abdili, L., Gervaise, D., & Kliegel, M. (2020). Formal string instrument training in a class setting enhances cognitive and sensorimotor development of primary school children. *Frontiers in Neurosciences*, 14(567), 1-16. doi:10.1101/829077

H

Hahnel, U. J. J., Chatelain, G., Conte, B., Piana, V., & Brosch. T. (2020). Mental accounting mechanisms in energy decision-making and behavior. *Nature Energy.* https://doi.org/10.1038/s41560-020-00704-6

Hahnel, U. J. J., Mumenthaler, C., Spampatti, T., & Brosch. T. (2020). Ideology as filter: Motivated information processing and decision-making in the energy domain. *Sustainability*, 12, 8429. https://doi.org/10.3390/su12208429

Hahnel, U. J. J., Mumenthaler, C., & Brosch, T. (2020). Emotional foundations of the public climate change divide. *Climatic Change*, 161, 9-19. https://doi.org/10.1007/s10584-019-02552-0

Hahnel, U. J. J., Herberz, M., Pena-Bello, A., Parra, D., & Brosch, T. (2020). Becoming prosumer: Revealing trading preferences and decision-making strategies in peer-to-peer energy communities. *Energy Policy*, 137, 111098. https://doi.org/10.1016/j.enpol.2019.111098

Herberz, M., Hahnel, U. J. J., & Brosch, T. (2020). The importance of consumer motives for green mobility: A multi-modal perspective. *Transportation Research Part A*, 139, 102-118. https://doi.org/10.1016/j.tra.2020.06.021

K

Khalsa, S. S., Rudrauf, D., Hassanpour, M. S., Davidson, R. J., & Tranel, D. (2020). The practice of meditation is not associated with improved interoceptive awareness of the heartbeat. *Psychophysiology,* 57(2), e13479

M

Mahmoodi, J., Hille, S. L., Prasanna, A., Patel, M. K., & Brosch, T. (2020). Using rewards and penalties to promote sustainability: Who chooses incentive-based electricity products and why? *Journal of Consumer Behaviour.* https://doi.org/10.1002/cb.1870

Mariaux, D. (2020). Attitudes par rapport aux prisonniers, les effets d'une incarcération et les conséquences sur la réinsertion en société. Retrieved from https://archive-ouverte.unige.ch/unige:138815

Mella, N., Vallet, F., Beaudoin, M., Fagot, D., Baeriswyl, M., Ballhausen, N., . . . Desrichard, O. (2020). Distinct effects of cognitive versus somatic anxiety on cognitive performance in old age: The role of working memory capacity. *Aging & Mental Health*, 24(4), 604-610. doi:10.1080/13607863.2018.1548566

Mertens, S., Hahnel, U. J. J., & Brosch, T. (2020). This way, please: Uncovering the directional effects of attribute translations on decision making. *Judgment and Decision Making*, 15, 25-46. http://journal.sjdm.org/19/190626a/jdm190626a.html

Oodendijk, W., Rochoy, M., Ruggeri, V., Cova, F., Lembrouille, D., Trottinetta, S., Hantome, O.F., Macron, N. & Javanica, M. (2020). SARS-CoV-2 was Unexpectedly Deadlier than Push-scooters: Could Hydroxychloroquine be the Unique Solution? *Asian Journal of Medicine and Health*, 18(9), 14-21

Perogamvros, L., Castelnovo, A., Samson, D., & Dang-Vu, T. T. (2020). Failure of fear extinction in insomnia: An evolutionary perspective. *Sleep Medicine Reviews*, 51, 101277. doi:10.1016/j.smrv.2020.101277

Philippi, Carissa L., Joel Bruss, Aaron D. Boes, Fatimah M. Albazron, Carolina Deifelt Streese, Elisa Ciaramelli, David Rudrauf, and Daniel Tranel. (2020). "Lesion network mapping demonstrates that mind-wandering is associated with the default mode network." *Journal of Neuroscience Research*

Pichon, S., Garibotto, V., Wissmeyer, M., Seimbille, Y., Antico, L., Ratib, O., . . . Picard, F. (2020). Higher availability of-4ß2 nicotinic receptors (nAChRs) in dorsal ACC is linked to more efficient interference control. *NeuroImage*, 214, 116729. doi:10.1016/j.neuroimage.2020.116729

Rahnev, D., Desender, K., Lee, A. L. F., Adler, W. T., Aguilar-Lleyda, D., Akdoğan, B., . . . Zylberberg, A. (2020). The confidence database. *Nature Human Behaviour*, 4(3), 317-325. doi:10.1038/s41562-019-0813-1

Rayatdoost, S., Rudrauf, D., & Soleymani, M. (2020, October). Multimodal Gated Information Fusion for Emotion Recognition from EEG Signals and Facial Behaviors. In Proceedings of the 2020 *International Conference on Multimodal Interaction* (pp. 655-659)

Rayatdoost, S., Rudrauf, D., & Soleymani, M. (2020, May). Expression-Guided EEG Representation Learning for Emotion Recognition. In ICASSP 2020-2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) (pp. 3222-3226). IEEE

Reschke, P. Walle, E., & Dukes, D. (2020). Did you mean to do that? Infants use emotional communication to infer and re-enact others' intended actions. *Cognition & Emotion*. https://doi.org/10.1080/02699931.2020.1745760

Roel Lesur, M., Aicher, H., Delplanque, S., & Lenggenhager, B. (2020). Being short, sweet, and sour: Congruent visuo-olfactory stimulation enhances illusory embodiment. *Perception*, 49(6), 693-696. doi:10.1177/0301006620928669

Rojek-Giffin, M., Lebreton, M., Scholte, H. S., van Winden, F., Ridderinkhof, K. R., & De Dreu, C. K. W. (2020). Neurocognitive underpinnings of aggressive predation in economic contests. *Journal of Cognitive Neuroscience,* 32(7), 1276-1288. doi:10.1162/jocn_a_01545

Rose, D., Machery, E., Stich, S., Alai, M., Adriano, A., Berniunas, R., et al. (2020). The ship of Theseus puzzle. In T. Lombrozo, S. Nichols, & J. Knobe (Eds.), *Oxford Studies in Experimental Philosophy* (Vol. 3). Oxford: Oxford University Press

Rudrauf, D., Bennequin, D., & Williford, K. (2020). The Moon illusion explained by the projective consciousness model. *Journal of Theoretical Biology*, 507, 110455

S

Samson, A., Van den Bedem, N.P., Dukes, D., & Rieffe, C. (2020). Positive Aspects of Emotional Competences in Preventing Internalizing Symptoms in Children with and without Developmental Language Disorder: A Longitudinal Approach. *Journal of Autism and Developmental Disorders*, 50(4), 1159-1171. https://doi.org/10.1007/s10803-019-04336-y

Saliba, S., Esseily, R., Filippa, M., Gratier, M., & Grandjean, D. M. (2020). Changes in the vocal qualities of mothers and fathers are related to preterm infant's behavioural states. *Acta Paediatrica*, doi:10.1111/apa.15238

Scharnowski, F., Nicholson, A. A., Pichon, S., Rosa, M. J., Rey, G., Eickhoff, S. B., . . . Koush, Y. (2020). The role of the subgenual anterior cingulate cortex in dorsomedial prefrontal–amygdala neural circuitry during positive-social emotion regulation. *Human Brain Mapping*, 41(11), 3100-3118. doi:10.1002/hbm.25001

Sennwald, V., Pool, E., Delplanque, S., Bianchi-Demicheli, F., & Sander, D. (2020). Outcome-specific and general pavlovian-to-instrumental transfers involving sexual rewards. *Motivation Science*, 6(1), 79. doi:10.1037/mot0000129

Sharvit, G., Lin, E., Vuilleumier, P., & Corradi-Dell'Acqua, C. (2020) Does inappropriate behaviour hurt or stink? The interplay between neural representations of somatic experiences and moral decisions. *Science Advances, 6,* eaat4390. doi: 10.1126/sciadv.aat4390

Sieber, S., Cheval, B., Orsholits, D., Van der Linden, B., Guessous, I., Gabriel, R., . . . Cullati, S. (2020). Do welfare regimes moderate cumulative dis/advantages over the life course? cross-national evidence from longitudinal SHARE data. Journals of Gerontology.B, Psychological Sciences and Social Sciences, doi:10.1093/geronb/gbaa036

Skiba, R., & Vuilleumier, P. (2020). Brain networks processing temporal information in dynamic facial expressions. *Cerebral Cortex*, bhaa176. doi:10.1093/cercor/bhaa176

Stussi, Y., Pourtois, G., Olsson, A., & Sander, D. (2020). Learning biases to angry and happy faces during pavlovian aversive conditioning. *Emotion,* doi:10.1037/emo0000733

T

Tarditi Joz-Roland, C., Hahnel, U. J. J., Jeanmonod, N., Sander, D., & Brosch, T. (2020). Affective dilemmas: The impact of trait affect and state emotion on sustainable consumption decisions in a social dilemma task. *Environment and Behavior,* 52, 33-59. https://doi.org/10.1177/0013916518787590

Teroni, F. (2020). 'Emotions and Memory'. *Emotion Researcher*

Tisserand, Y., Aylett, R., Mortillaro, M., & Rudrauf, D. (2020, October). Real-time simulation of virtual humans' emotional facial expressions, harnessing autonomic physiological and musculoskeletal control. In Proceedings of the 20th ACM International Conference on Intelligent Virtual Agents (pp. 1-8)

V

Van de Straat, V., Cheval, B., Schmidt, R. E., Sieber, S., Courvoisier, D., Kliegel, M., . . . Bracke, P. F. (2020). Early predictors of impaired sleep: A study on life course socioeconomic conditions and sleeping problems in older adults. *Aging & Mental Health*, 24(2), 322-332. doi:10.1080/13607863.2018.1534078

Van Herwegen, J., Dukes, D., & Samson, A. (2020). COVID19 Crisis Response Survey for families of Individuals with Special Needs [Data set]. OSFHOME. Retrieved May 27, 2020, from osf.io/5nkq9

Van Herwegen, J., Palikara, O., Riby, D., Hanley, M., Rhodes, S., Giannadou, A., Samson, A. C., & Dukes, D. (2020). The impact of COVID-19 on education and children's services: The impact on families of children with Special Educational Needs and Disabilities in the UK. Written evidence submitted to the UK government

Vollet, J.-H. (2020). Refined Invariantism. Theoria: *A Swedish Journal of Philosophy,* 86, 1, 100-127, 2020. Available at: https://onlinelibrary.wiley.com/doi/abs/10.1111/ theo.12221

Vollet, J.-H. (2020). Raison de croire et raison de former des croyances : le purisme de P. Engel, Klesis - *Revue Philosophique,* 45, 2020. Available at: http://revue-klesis.org/pdf/klesis-45-Engel-09-Vollet-le-purisme-de-P-Engel-raison-croire-et-raison-former-croyances.pdf

Vollet, J.-H. (2020). La philosophie de P. Engel : nature, norme et connaissance, Klesis - *Revue Philosophique,* 45, 2020. Available at: http://revue-klesis.org/pdf/klesis-45-Engel-01-Vollet-la-philosophie-Engel-nature-normes-connaissance.pdf

Von Helversen, B., Coppin, G., & Scheibehenne, B. (2020). Money does not stink: Using unpleasant odors as stimulus material changes risky decision making. Journal of Behavioral Decision Making, 1-13. doi: 10.1002/bdm.2178

Wang, C., Biancardi, B., Mancini, M., Cafaro, A., Pelachaud, C., Pun, T., & Chanel, G. (2020). Impression detection and management using an embodied conversational agent. HCII 2020: Human-computer interaction. multimodal and natural interaction () Springer. doi:10.1007/978-3-030-49062-1_18 Retrieved from https://archive-ouverte.unige.ch/unige:142294

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