

Personal information

Name: **Ross Dean MILTON (PhD)**
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Education

2010 – 2014: **PhD in Chemistry**, *University of Surrey, UK*
2006 – 2010: **BSc in Chemistry**, *University of Surrey, UK*

Employment history including current position

09/2019 to present: **Assistant Professor**, Department of Inorganic and Analytical Chemistry
University of Geneva, Switzerland
06/2017 – 03/2019: **Postdoctoral researcher**, Departments of Civil & Environmental Engineering, and Chemical Engineering
Supervisor: Professor Alfred M. Spormann
Stanford University, USA
06/2015 – 05/2017, and
04/2019 – 08/2019: **Postdoctoral researcher**, supported by a Marie Skłodowska-Curie Individual Fellowship, held between:
Department of Chemistry, *University of Utah, USA* (outgoing phase), and
School of Chemistry, *National University of Ireland Galway, Ireland* (incoming phase)
Supervisors: Professor Shelley D. Minteer & Professor Dónal Leech
04/2014 – 05/2015: **Postdoctoral researcher**, Department of Chemistry
University of Utah, USA
Supervisor: Professor Shelley D. Minteer

Approved research projects

03/2025 – 02/2029: **SNSF International/Lead Agency Grant**: “*Advancing nitrogenase research with asymmetry, hyperthermophiles, and semi-synthetic biomimetics*”.
Value: **3M CHF**, Role: **PI and coordinator**.
09/2024 – 08/2028: **SNSF Project Grant**: “*In situ assembly of hydrogenases for electroenzymatic hydrogen production*”.
Value: **867k CHF**, Role: **PI**.
08/2024 – 07/2028: **NCCR Catalysis Project Phase II**: *WPI PI*.
Value: **275k CHF**, Role: **PI**.
2021: **SNSF R’Equip Grant**: “*Electrochemically screened high-throughput mutagenesis of oxygen-sensitive metalloenzymes*”.
Value: **170k CHF**, Role: **PI**.
04/2021 – 07/2024: **NCCR Catalysis Project Phase I**:
Value: **250k CHF**, Role: **PI**.
09/2021 – 08/2023: **Marie Skłodowska-Curie Individual Fellowship**: “*BERCO₂*”, grant number: 101024443.
Value: **191k EUR**, Role: **PI**.
10/2020 – 09/2024: **SNSF Project Grant**: “*Bioelectrochemical investigation of dark operative protochlorophyllide reductase*”.
Value: **675k CHF**, Role: **PI**.

Supervision of junior researchers at graduate and postgraduate level (since UNIGE)

Postdocs: **5x researchers:** S. Sahin, A. Kulkarni, Y. Liu, K. Zuchan, N. Ostermann.
PhDs: **6x researchers.** C. Cadoux, A. Jolly, G. Bedendi, D. Ratcliff, S. Webb, A. Do Nascimento Henriques.
MSc theses: **5x theses:** D. Ratcliff, F. Kalemi, D. Sedoh, C. Delage de Luget, N. Vorontsova.

Teaching contributions

- « Chimie Minérale II », final-year BSc Inorganic Chemistry, **French.**
- « Bioinorganic and Bioanalytical Chemistry », MSc Chemistry and Biochemistry, **English.**
- « Travaux Pratiques de Chimie Minérale I », 2nd year Inorganic Chemistry Laboratory, **French.**

Prizes, awards, fellowships

2024: Teaching Award, Faculté des Sciences, UNIGE
2023: Travel Grant, ECS Annual Meeting Boston 2023, awarded by the Physical and Analytical Electrochemistry Division
2015 – 2019: Marie Skłodowska-Curie Individual Fellowship (postdoctoral) – Horizon 2020 “*Bioelectroammonia*”, Grant 654836.
2017: International Society of Electrochemistry Travel Award
2016: University of Utah Postdoctoral Travel Award
2013: Downland Section Prize (Royal Society of Chemistry) for Postgraduate Research
2010: Downland Section Prize (Royal Society of Chemistry) for Undergraduate Research Project