

1. Curriculum Vitae of José Noel Pérez Asensio

Personal *Full name:* José Noel Pérez Asensio; *Date/place of birth:* October 11, 1984 in Olula del Río (Almería), Spain; *Nationality:* Spanish.



Place of work Department of Earth Sciences, University of Geneva, Rue des Maraîchers 13, 1205 Geneva, Switzerland. +34 661 086 115; Email: Noel.PerezAsensio@unige.ch

Status: Postdoctoral researcher and manager of sample preparation laboratory

Studies and scientific degrees

- 2007 Bachelor's degree in Geology from University of Granada. *Grade:* 3.204 (out of 4) and 8.837 (out of 10)
- 2008 Master's degree in Geology from University of Granada. *Grade:* 3.14 (out of 4) and 9.62 (out of 10)
- 2012 Ph.D. in Earth Science from the University of Granada with international mention. *Grade:* Apt Cum Laude. *Thesis title:* Paleoecological and paleoceanographical study of Messinian deposits from the lower Guadalquivir Basin (SW Spain). *Director of thesis:* Julio Aguirre Rodríguez

Further education

- 2009 3rd IAS International Summer School of Sedimentology 2009. Sedimentary Archives of Regional vs. Global Change: Case Study of Neogene Basins of Southern Spain
- 2009 Course of immersion in English language 2009 from the International University Menéndez Pelayo and Ministry of Education, Social policy and Sport. Level Intermediate-2
- 2009 Teaching course for High School certificate (Certificado de Aptitud Pedagógica) from the University of Granada. *Grade:* 9.5875 (out of 10)

- 2010 First Certificate in English (Level B2 = upper-intermediate level).
University of Cambridge. *Grade: B*
- 2013 Certificate in Advanced English (Level C1 = advanced level). University
of Cambridge. *Grade: C*

Language skills

Spanish (mother tongue)

English: Speech (excellent), reading (excellent), writing (good)

French: Speech (good), reading (good), writing (good)

Other skills

- Statistics (SYSTAT, CANOCO, SPSS, PAST)
- Time series analysis software (AnalySeries, PAST)
- Microsoft office software package (Excel, Word, PowerPoint)
- Graphic design software (Freehand, Grapher, Adobe Illustrator, Adobe photoshop)

Professional employment

- 2008 FPU PhD scholarship from the Spanish government at the University of Granada from 1 September 2008 to 31 August 2010
- 2010 FPU PhD contract from the Spanish government at the University of Granada from 1 September 2010 to 31 August 2012
- 2013 Research contract “Ayuda Puente” from the University of Granada at Department of Stratigraphy and Paleontology from 1 February 2013 to 31 July 2013

Awards

- 2007 Extraordinary Award of Bachelor’s degree in Geology from the University of Granada. Academic year 2006/07

2008 Third National Award of Bachelor's degree in Geology. Academic year 2006/07 (BOE núm. 286, 27-11-2008)

Fellowships

2006 Initiation to research fellowship from the University of Granada at the Department of Stratigraphy and Paleontology from 31 May 2006 to 25 May 2007

2006 Collaboration fellowship from the University of Granada at the Department of Stratigraphy and Paleontology from 20 September 2006 to 30 June 2007

2008 FPU PhD fellowship (2 years scholarship + 2 years research contract) from the Spanish government at the University of Granada from 1 September 2008 to 31 August 2012

Research interests

Marine micropaleontology and paleoclimate

Cyclicity analysis and paleoceanographical reconstructions

Ecology and paleoecology of benthic foraminifera

O and C stable isotopes measured on benthic and planktonic foraminifera

Participation in R&D&I projects funded in competitive tenders by public bodies

1. *Title of the project:* Basin analysis. *Funding body:* Regional Government of Andalusia. *Start date:* 31 October 2008. *Date of finalisation:* ongoing. *Principal investigator:* Pascual Rivas Carrera. *Number of participants:* 12

2. *Title of the project:* Paleogeographic and paleoceanographic controls on producers and facies of carbonates in the Atlantic-Mediterranean gateways during the Neogene. *Funding body:* Ministry of Education and Science. *Start date:* 18 September 2008. *Date of finalisation:* 31 December 2010. *Principal investigator:* Julio Aguirre Rodríguez. *Number of participants:* 8

3. *Title of the project:* Temperate carbonates related to the active margin of the Guadalquivir Basin during the late Miocene. *Funding body:* Ministry of Science

and Innovation. *Start date*: 1 January 2011. *Date of finalisation*: 31 December 2013. *Principal investigator*: Julio Aguirre Rodríguez. *Number of participants*: 8

Collaboration in R&D&I projects funded in competitive tenders by public bodies

1. *Title of the project*: Impact of the tectonic and climate on the sedimentary record from the Guadalquivir Basin (GUADALTYC). *Funding body*: Ministry of Economy and Competitiveness. *Start date*: 1 February 2013. *Date of finalisation*: 31 January 2016. *Principal investigator*: M. Pilar Mata Campo. *Number of participants*: 10. *Number of collaborators*: 8

Participation in projects for innovation in teaching

1. *Title of the project*: Sedimentology of Neogene Almería basins: Bilingual (Spanish-English) field guide. *Funding body*: University of Granada. *Start date*: 15 December 2008. *Date of finalisation*: 19 May 2010. *Principal investigator*: José Manuel Martín Martín. *Number of participants*: 5

Residencies in international R&D&I centres

1. Predoctoral stay at the Geologisch-Paläontologisches Institut und Museum, Hamburg, Germany. *Date*: 2009. *Duration*: 2 months. *Acquired skills, developed later*: Taxonomy and ecology of benthic foraminifera, and its applications to paleoecological studies, O and C stable isotope geochemistry and paleoenvironmental reconstructions

2. Predoctoral stay at the Geologisch-Paläontologisches Institut und Museum, Hamburg, Germany. *Date*: 2010. *Duration*: 3 months. *Acquired skills, developed later*: Cyclicity studies based on benthic foraminiferal assemblages and O and C stable isotopes measured on benthic and planktonic foraminifera

Scientific production

H-index, Web of Science (WoS): 2

Total number of citations (WoS): 11

Total number of papers (WoS): 4

Average citations per paper (WoS): 2.75

International peer-reviewed journals papers

1. **Pérez-Asensio, J. N.** and Aguirre, J. (2010), Benthic foraminiferal assemblages in temperate coral-bearing deposits from the late Pliocene. **Journal of Foraminiferal Research** **40**, 61-78. Impact Factor (2010):**1.431**. Journal Ranked by Impact Factor (2010): **22/48** in Paleontology (**Second Quartile**). Number of citations (WoS): **3**
2. **Pérez-Asensio, J. N.**, Aguirre, J., Schmiedl, G. and Civis, J. (2012), Messinian paleoenvironmental evolution in the lower Guadalquivir Basin (SW Spain) based on benthic foraminifera. **Palaeogeography, Palaeoclimatology, Palaeoecology** **326-328**, 135-151. Impact Factor (2012):**2.745**. Journal Ranked by Impact Factor (2012): **4/50** in Paleontology (**First Quartile**). Number of citations (WoS): **5**
3. **Pérez-Asensio, J. N.**, Aguirre, J., Schmiedl, G. and Civis, J. (2012), Impact of restriction of the Atlantic-Mediterranean gateway on the Mediterranean Outflow Water and eastern Atlantic circulation during the Messinian. **Paleoceanography** **27**, PA3222, doi:10.1029/2012PA002309, 14 pp. Impact Factor (2012):**3.296**. Journal Ranked by Impact Factor (2012): **1/50** in Paleontology (**First Quartile**). Number of citations (WoS): **2**
4. Jiménez-Moreno, G., **Pérez-Asensio, J. N.**, Larrasoana, J. C., Aguirre, J., Civis, J., Rivas-Carballo, M. R., Valle-Hernández, M. F. and González-Delgado, J. A. (2013), Vegetation, sea-level and climate changes during the Messinian salinity crisis. **Geological Society of America Bulletin** **125**, 432-444. Impact Factor (2012):**4.286**. Journal Ranked by Impact Factor (2012): **8/170** in Geosciences, Multidisciplinary (**First Quartile**). Number of citations (WoS): **1**
This paper has been mentioned in the section “research highlights” of Nature Geoscience 6, 85 (February 2013)

Accepted papers

1. **Pérez-Asensio, J. N.**, Aguirre, J., Jiménez-Moreno, G., Schmiedl, G. and Civis, J. (2013), Glacioeustatic control on the origin and cessation of the Messinian salinity crisis. **Global and Planetary Change** **111**, 1-8. Impact Factor (2012): **3.155**. Journal Ranked by Impact Factor (2012): **24/170** in Geosciences, Multidisciplinary (**First Quartile**). Number of citations (WoS): **0**

Submitted papers

1. **Pérez-Asensio, J. N.**, Aguirre, J., Schmiedl, G. and Civis, J. (submitted to **Journal of the Geological Society**), Messinian paleoproductivity changes in the northeastern Atlantic and its relation to the closure of the Atlantic-Mediterranean gateway
2. Celestino-Pérez, S., Cerrillo-Cuenca, E., Jiménez-Moreno, G., León, Á. López-Sáez, J. A., Martínez-del-Pozo, J. Á., Mayoral-Herrera, V., **Pérez-Asensio, J. N.**, Rodríguez-Ramírez, A., and Villarías-Robles, J. J. (submitted to **European Journal of Archaeology**) Geomorphic anomalies and archaeological hiatuses in the Doñana Marshland (SW Spain) in the 3rd and 2nd millennia BC

International scientific meetings

1. **Pérez-Asensio, J. N.**, Aguirre, J., Civis, J. and Schmiedl, G. (2010), Sea-Level reconstruction based on foraminifera: A case study from the Late Neogene in the Guadalquivir Basin (SW Spain). **FORAMS 2010, International Symposium on Foraminifera, Bonn (Germany)**, Abstracts Volume, 157 (Oral presentation)
2. **Pérez-Asensio, J. N.**, Aguirre, J., Schmiedl, G., Jiménez-Moreno, G. and Civis, J. (2010), Benthic foraminiferal assemblages from the lower-upper Messinian boundary at the Guadalquivir Basin (SW Spain). **III Congreso Ibérico de Paleontología / XXVI Jornadas de la Sociedad Española de Paleontología, Lisbon (Portugal)**, Publicaciones del Seminario de Paleontología de Zaragoza Nº 9, 217-220 (Oral presentation)
3. **Pérez-Asensio, J. N.**, and Aguirre, J. (2011), Benthic foraminiferal taphonomy of Late Pliocene deposits from the Almería-Níjar Basin (SE Spain). **III TAPHOS 2011, 6th International Meeting on Taphonomy and Fossilization, Tübingen (Germany)**, Abstract Volume 66 (Oral presentation)
4. **Pérez-Asensio, J. N.**, Aguirre, J., Schmiedl, G. and Civis, J. (2011), Late Miocene paleoenvironmental evolution of the lower Guadalquivir Basin, northern Gulf of Cádiz (SW Spain), based on benthic foraminifera. **Eighth Micropalaeontological Workshop “MIKRO-2011” and Annual TMS Forum-Nannofossil Group Meeting, Krakow (Poland)**, Grzybowski Foundation Special Publication No. 17, 120-121 (Oral presentation)
5. **Pérez-Asensio, J. N.**, Aguirre, J., Schmiedl, G. and Civis, J. (2011), Impact of the Mediterranean Outflow on the eastern Atlantic during the Messinian. **Joint RCMNS-RCANS Interim Colloquium. Climate changes, bioevents and**

geochronology in the Atlantic and Mediterranean over the last 23 Myr, Salamanca (Spain), Abstracts Book, 192-193 (Oral presentation)

6. Civis, J., González-Delgado, J. A., **Pérez-Asensio, J. N.**, Alonso-Gavilán, G., Ruiz-Muñoz, F., González-Regalado, M. L., Aguirre, J., Abad, M. and Tosquella, J. (2011), Main changes in foraminiferal assemblages across Late Tortonian and Tortonian/Messinian boundary recorded in the “Huelva” borehole (SW Spain). **Joint RCMNS-RCANS Interim Colloquium. Climate changes, bioevents and geochronology in the Atlantic and Mediterranean over the last 23 Myr, Salamanca (Spain)**, Abstracts Book, 87 (Poster)

7. Jiménez-Moreno, G., **Pérez-Asensio, J. N.**, Larrasoaña, J. C., Aguirre, J., Civis, J., Rivas-Carballo, M. R., Valle-Hernández, M. F. and González-Delgado, J. A. (2012), Vegetation, sea-level and climate changes during the Messinian salinity crisis recorded in the Montemayor-1 core, lower Guadalquivir basin, southwestern Spain. **IPC/IOPC 2012, Tokyo (Japan)**, Japanese Journal of Palynology special issue 58,100 (Poster)

8. Braga, J. C., Aguirre, J., Martín, J. M., Puga-Bernabéu, Á., **Pérez-Asensio, J. N.** and Sánchez-Almazo, I. M. (2012), Heterozoan cold-seep carbonates: Outer-ramp accumulations of chemosynthetic bivalves (Late Messinian, Guadalquivir Basin, S Spain). **29th IAS Meeting of Sedimentology, Schladming (Austria)**, Book of Abstracts, 210 (Oral presentation, keynote lecture)

9. **Pérez-Asensio, J. N.**, Aguirre, J., Schmiedl, G. and Civis, J. (2013), Messinian palaeoproductivity changes in the northeastern Atlantic and its relation to the closure of the Atlantic-Mediterranean gateway. **The Micropalaeontological Society Foraminifera and Nannofossil Groups Joint Spring Meeting 2013, Prague (Czech Republic)**, Abstracts Book, 32 (Oral presentation)

10. Larrasoaña, J. C., Liu, Q., Hu, P., Mata, P. and **Pérez-Asensio, J. N.** (2013), Mineral magnetic properties of late Miocene marine sediments from the Huelva-1 and Montemayor-1 boreholes (Guadalquivir Basin, SW Spain); preliminary results and paleoenvironmental implications. **14th RCMNS Congress. Neogene to Quaternary Geological Evolution of Mediterranean, Paratethys and Black Sea, Istanbul (Turkey)**, Book of Abstracts, 51 (Oral presentation)

11. Jiménez-Moreno, G., **Pérez-Asensio, J. N.**, Larrasoaña, J. C., Aguirre, J., Civis, J., Rivas-Carballo, M. R., Valle-Hernández, M. F. and González-Delgado, J. A. (2013), Did global sea level drop triggered the onset of the Messinian salinity crisis?. **14th RCMNS Congress. Neogene to Quaternary Geological**

Evolution of Mediterranean, Paratethys and Black Sea, Istanbul (Turkey),
Book of Abstracts, 107 (Oral presentation)

12. Braga, J. C., Aguirre, J., Martín, J. M., Puga-Bernabéu, Á., **Pérez-Asensio, J. N.** and Sánchez-Almazo, I. M. (2013), Kilometre-scale, cold-seep bioclastic carbonates (Late Miocene, Guadalquivir Basin, S Spain). **V RCANS Congress. Two decades of Atlantic Neogene study, Huelva (Spain)**, Abstract Book, 14, (Oral presentation)

13. Larrasoña, J. C., Civis, J., Abad, M., Ledesma, S., Mata, M. P., Mediavilla, C., Ortiz, J. E., **Pérez-Asensio, J. N.**, Ruiz, F., Salazar, A., Salvany, J. M., Sierro, F. J., Torres, T. and van den Berg, B. C. J. (2013), Chronostratigraphy of the Lower Guadalquivir Basin: an update and future challenges. **V RCANS Congress. Two decades of Atlantic Neogene study, Huelva (Spain)**, Abstract Book, 14, (Poster)

National scientific meetings

1. **Pérez-Asensio, J. N.**, and Aguirre (2009), Benthic foraminiferal assemblages from the late Pliocene of the Almería-Níjar Basin (SE Spain). **XXV Jornadas de la Sociedad Española de Paleontología, Ronda (Spain)**, Libro de resúmenes, 244-245 (Oral presentation)

2. **Pérez-Asensio, J. N.**, Aguirre, J., Civis, J. and Schmiedl, G. (2011), Cyclicity analysis of Messinian sediments from the Montemayor-1 core (Guadalquivir Basin, SW Spain). **XXVII Jornadas de la Sociedad Española de Paleontología, Sabadell (Spain)**, Paleontologia i evolució Memòria especial 5, 283-287 (Oral presentation)

3. Rodríguez-Ramírez, A., Jiménez-Moreno, G., **Pérez-Asensio, J.N.**, Ruiz-Alonso, M., Flores, E., Morales, J.A. and Contreras, C. (2012), Peat Formations during the Late Holocene in Doñana National Park (SW Spain): environmental implications. **XII Reunión Nacional de Geomorfología, Santander (Spain)**, Avances de la geomorfología en España 2010-2012: actas de la XII Reunión Nacional de Geomorfología, 347-350 (Oral presentation)

4. Civis, J., González-Delgado, J.A., Rivas, R., **Pérez-Asensio, J.N.**, Valle, M., Jiménez-Moreno, G., Ruiz Muñoz, F. and González-Regalado, M.L. (2012), The record of the last marine episodes in the late Neogene from the W of the Guadalquivir Basin-Montemayor-1 core (Moguer-Huelva). **XXVIII Jornadas de la Sociedad Española de Paleontología, Valencia-Sóller (Spain)**, Libro de resúmenes, 37-40 (Poster)

5. **Pérez-Asensio, J.N.**, Jiménez-Moreno, G. and Rodríguez-Ramírez, A. (2013), Benthic foraminiferal assemblages related to high-energy events recorded in Holocene sediments from the Guadalquivir estuary (National Park of Doñana, SW Spain). **XI Meeting of Young Researchers in Palaeontology, Atarfe (Spain)**, Trending Topics in Paleontology: Book of abstracts XI Meeting of Young Researchers in Palaeontology, 83-84 (Oral presentation)

Conference organisation

2013 Organiser of XI Meeting for Young Researchers in Palaeontology (EJIP) at Atarfe (Spain) from 17 April 2010 to 20 April 2013

Collaboration in conference organisation

2008 Assistant of TAPHOS 2008, 3rd International Meeting on Taphonomy and Fossilization at Granada (Spain) from 12 June 2008 to 14 June 2008

Reviewer for international scientific journals

- Palaeogeography, Palaeoclimatology, Palaeoecology (3 reviews).
- Paleontology Journal (1 review).

Teaching experience

- 2010/11 Micropaleontology (practical lectures) of the bachelor's degree in Geology at University of Granada (Spain) from 22 February 2011 to 8 June 2011. *Number of hours:* 45
- 2010/11 Stratigraphic Paleontology (theoretical lectures) of the bachelor's degree in Geology at University of Granada (Spain) from 22 February 2011 to 8 June 2011. *Number of hours:* 15
- 2011/12 Micropaleontology (practical lectures) of the bachelor's degree in Geology at University of Granada (Spain) from 20 February 2012 to 11 June 2012. *Number of hours:* 45
- 2011/12 Stratigraphic Paleontology (theoretical lectures) of the bachelor's degree in Geology at University of Granada (Spain) from 20 February 2012 to 11 June 2012. *Number of hours:* 15

- 2012/13 Micropaleontology (practical lectures) of the bachelor's degree in Geology at University of Granada (Spain) from 25 February 2013 to 12 June 2013. *Number of hours: 20*
- 2012/13 Paleobiology (practical lectures) of the bachelor's degree in Geology at University of Granada (Spain) from 25 February 2013 to 12 June 2013. *Number of hours: 20*

Talks in courses and seminars

1. "Ecology of foraminifera and its application in Earth Science" in the II Cycle of Seminars "Young Researchers" held on 15 March 2011 in the Faculty of Science, University of Granada
2. "Use of foraminifera as environmental proxies" in the course Tiny versions of life held on 8-14 April 2011 in the Faculty of Science, University of Granada
3. "Doing a PhD thesis in Geology" in the course III Conference on job searching in Geology held on 25 May 2012 in the Faculty of Science, University of Granada

Memberships

1. Cushman Foundation for Foraminiferal Research since 2010
2. Sociedad Española de Paleontología (Spanish Society of Paleontology) since 2009