

## SHORT BIO

I am a geobiologist researching extreme environments for searching life on other planetary bodies for more than 20 years. During my graduation and PhD completion, my early career focused on the study of Neoproterozoic and Cambrian paleobiology. Since then, my research has diversified into various topics involving astrobiology, astrogeology, paleobiology, underground microbiology, Quaternary geology, or orebody biogeochemistry. I have worked in different international research centers during my research activity, including the Center of Astrobiology (Spain), the British Geological Survey, and Luleå University of Technology (Sweden). I am currently an associate professor at the State Key of Lunar and Planetary Sciences in the Macau University of Science and Technology that followed an appointment as chair of the origin of life at the University of Grenoble in France.

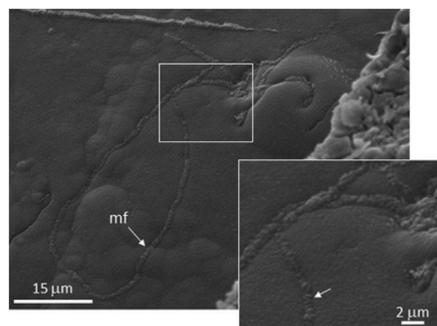
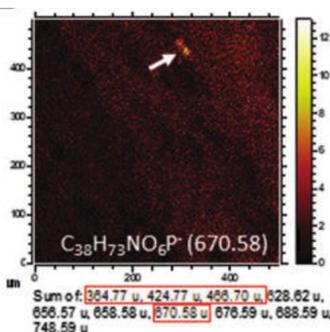
Ass. Prof.

# DAVID FERNANDEZ REMOLAR



**PhD:** Paleontology - Complutense University of Madrid (SP)

**Degree:** Geology - Complutense University of Madrid (SP)



Biosignatures formed by underground ancient microbes – Fernandez-Remolar et al., 2021

## KEY PUBLICATIONS (first author)

**Fernandez-Remolar**, D.C., et al., 2021.

*Unveiling microbial preservation under hyperacidic and oxidizing conditions in the Neogene Rio Tinto deposits..Sci Rep*

**Fernandez-Remolar**, D.C., et al., 2013.

*Molecular preservation in halite- and perchlorate-rich hypersaline subsurface deposits in the Salar Grande basin (Atacama Desert, Chile): Implications for the search for molecular biomarkers on Mars. JGR Biogeosci*

**Fernandez-Remolar**, D.C, et al. 2005.

*The Rio Tinto Basin, Spain: Mineralogy, sedimentary geobiology, and implications for interpretation of outcrop rocks at Meridiani Planum. EPSL*

## PROFESSIONAL EXPERIENCE

**2019** Macau University of Science and Technology, Macao (China) – Ass. Prof.

**2018** University of Grenoble (FR) – Chair Origin of Life Researcher

**2017** Luleå University of Technology (SE) – Senior Researcher

**2008** Center of Astrobiology (SP) – Associate Researcher

**2004** Center of Astrobiology (SP) – Assistant Researcher

## GRANTS

**FDTC – 2020-2022** – Principal Investigator

Multidisciplinary search for biosignatures in ancient earthly evaporites as a proxy to find molecular evidence of primitive life on Mars

**CNSA.– 2020-2022** – Co-Investigator

Key Scientific Objectives of Giant Planet Systems