

HERNAN BOBADILLA RODRIGUEZ

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EDUCATION

University College London, MSc History and Philosophy of Science. Distinction (UK) 2014-2015

Philosophical insights on natural sciences, analytical reasoning, social engagement and communication skills

SCHOLARSHIPS: Aristotle STS Department, UCL Santander, Becas Chile/CONICYT

AWARDS: Best Contribution to the STS Department for my MSc dissertation

University of Chile, MSc Geology / Professional Degree. Highest distinction (Chile) 2010-2012

Scientific research skills, international research network, scientific publications and presentations

SCHOLARSHIPS: Chilean-Antarctic Institute (INACH), CONICYT

University of Chile, BSc Geology. Highest distinction (Chile) 2004-2009

Professional training for geologist. Mathematics and physics courses in engineering common plan

PROFESSIONAL EXPERIENCE (SELECTION)

National Geology and Mining Survey

Ago2013-Oct2014

Lead geologist

Santiago, Chile

Responsibility, leadership and teamwork: As project officer, I led the making of a geological map. I was responsible for a group of six workers, composed by geologists, drivers and field assistants. Back in the office, I was responsible for processing the data, preparing laboratory work and reporting our progress to senior geologists.

Proactive and influential: I led the proposal and organization of an interdisciplinary meeting, to integrate recent results in different projects and departments, discuss environmental and social impacts of these results and propose new working strategies. Notably, this kind of meetings had not been held since the 70s. More than 100 workers, from all over the country, participated. The National Director described the meeting as a 'success' and propose to do it in an annual basis.

Mineria Activa: Mining-Exploration Company

Dec2011-Dec2012

Lead geologist

Santiago, Chile

Problem solving, creativity and adaptability: As project officer, I led a geological exploration project, fairly innovative for the Chilean context. As pioneers, we had to learn about a new field of development, deal with new problems and create practical solutions for our particular geological context. We achieved important discoveries and defined standards for this new exploration target.

Professionalism, presentation skills and budget management: I was responsible for two colleagues in fieldwork. Back in the office, I reported our progress to the Exploration Manager and the Executive Board. Thus, I developed the ability of presenting our geological discoveries in financial, legal and environmental terms.

Explora Program, CONICYT

2009-2012

Science lecturer (volunteer)

Santiago, Chile

'Explora Program' is a Chilean governmental project, managed by the National Commission of Science and Technology (CONICYT). The project gives scientists an opportunity to go to schools and present their research, engaging with education and science communication. I participated for four years in a row, every academic term.

Science School for Children, University of Chile

2009-2011

Geology teacher assistant (volunteer)

Santiago, Chile

'Science School for Children' is an educational project in which young students, between 12 and 14 years, have the opportunity of developing further insight into particular scientific disciplines, during their summer and winter holidays. As teacher assistant, I prepared practical experiences, classes and fieldwork activities.

Preparation School for College 'Victor Jara', University of Chile Students Union

2006

Mathematics teacher (volunteer)

Santiago, Chile

'Victor Jara' is an educational/social project in which university students assist low income school students in their preparation for the Chilean University Selection Test. As teacher, I prepared the classes and helped the students throughout their preparation process.

INTERESTS AND ACTIVITIES

Scientific research, philosophy, social engagement and activism, education and science communication, writing, travelling, art, music (piano), cinema, sports (swimming, football, squash), comedy.

ADDITIONAL INFORMATION

Languages: Spanish (native), English (fluent, IELTS 7.5), French (B1 level), Portuguese (basic), German (basic).
IT Skills: MS Office (high level; Word, Excel, PowerPoint), GIS Softwares (user level), Adobe Illustrator (user level), MatLab (user level).

REFERENCES

Academic Referee

Name: Phyllis Illari

Tel: 020 7679 2486

E-mail: phyllis.illari@ucl.ac.uk

Phyllis Illari is a lecturer in History and Philosophy of Science at the Science and Technology Studies Department, University College London. She was my MSc dissertation supervisor. Also, she was my teacher in a module about causality.

Professional Referee

Name: Nicolas Blanco

E-mail: nicolas.blanco@sernageomin.cl

Nicolas Blanco is a Senior Geologist at the National Geology and Mining Survey. He was my direct supervisor.

PUBLICATIONS

- Bobadilla, H.; Calderón, M.; Hervé, F. 2012. Evolución temporal y espacial del origen de rocas plutónicas en el extremo norte de la Península Antártica (Time and space evolution of plutonic rocks origin in Northern Antarctic Peninsula). *Boletín Antártico Chileno (Chilean Antarctic Bulletin)*, vol. 31, n. 2, pp. 20-21.
- Bobadilla, H.; Calderón, F.; Hervé, F. 2011. Geothermobarometric results at the northern tip of Antarctic Batholith: Tectonic implications. *Mineralogical Magazine (Goldschmidt Conference Abstracts)*, vol. 75, n. 3, pp. 539.

PRESENTATIONS (SELECTION)

- Bobadilla, H. 2012. Introducción a la geología: ciencia histórica que comienza a encontrar sus fundamentos en la historia de la ciencia (Introduction to Geology: Historical science finds its foundations in history of science). VIII Encuentro de la Asociación de Filosofía e Historia de la Ciencia del Cono Sur (AFHIC) (**VIII Southern Cone Philosophy and History of Science Association Meeting**). USACH. Santiago, Chile.
- Bobadilla, H.; Calderón, F.; Hervé, F. 2012. Geochemical constraints of the Antarctic Peninsula Batholith in its northern tip of Antarctic Peninsula: tectonic interpretations. **International Polar Year 2012 (IPY2012)**. Montréal, Canadá.
- Bobadilla, H. 2011. Perspectivas éticas a la luz de la nueva era tecnológica aplicadas a la gestión y desarrollo de geoparques y reservas naturales (Ethical perspectives of management and development of geoparks and natural reserves). II Congreso Nacional de Filosofía (**II Philosophy National Congress**). Concepción, Chile.
- Bobadilla, H., Calderón, M., Hervé, F., Fanning, M. 2011. Interpretaciones petrogenéticas del Batolito Antártico en su extremo norte y relaciones con extremo sur de Batolito Patagónico (Petrogenetic interpretations of the northern Antarctic Batholith and relations with southern Patagonian Batholith). XIV Congreso Latinoamericano de Geología / XIII Congreso Colombiano de Geología (**XIV Latinamerican Geology Congress / XIII Colombian Geology Congress**). Medellín, Colombia.
- Bobadilla, H., Calderón, M., Hervé, F., Soto, F. 2011. New geothermobarometric data at the northern end of Antarctic Batholith: Tectonic implications. **11th International Symposium on Antarctic Earth Sciences (ISAES)**. Edinburg, Scotland.