Matthieu Laneuville (Research Scientist)

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Education

2010–2013	**Ph.D.** Geophysics, Institut de Physique du Globe de Paris (IPGP)
2008–2010	**M.Sc.** Physics, Université Pierre et Marie Curie (UPMC), Paris
2005–2008	**B.Sc.** Physics, Université de Provence I

Publications

2015 | Bocanegra-Bahamón, T., Bracken, C., Sitjà, M. C., Dirkx, D., Gerth, I., Konstantinidis, K., Labrianidis, C., Laneuville, M., Luntzer, A., MacArthur, J. L., Maier, A., Morschhauser, A., Nordheim, T. A., Sallantin, R., and Tlustos, R. (2015). Accepted Manuscript. *Adv Space Res*, pages 1–40

Guttenberg, N., Laneuville, M., Ilardo, M., and Aubert-Kato, N. (2015). Transferable measurements of Heredity in models of the Origins of Life. *arXiv*, page 1745

2014 | Laneuville, M., Wieczorek, M. A., Breuer, D., Aubert, J., Morard, G., and Rückriemen, T. (2014). A long-lived lunar dynamo powered by core crystallization. *Earth Planet Sci Lett*, 401(C):251–260

Arridge, C. S. (2014). Planetary and Space Science. *Planet Space Sci*, 104(PA):122–140

2013 | Laneuville, M., Wieczorek, M. A., Breuer, D., and Tosi, N. (2013). Asymmetric thermal evolution of the Moon. *J Geophys Res*, 118:1435–1452

Miljković, K., Wieczorek, M. A., Collins, G. S., Laneuville, M., Neumann, G. A., Melosh, H. J., Solomon, S. C., Phillips, R. J., Smith, D. E., and Zuber, M. T. (2013). Asymmetric Distribution of Lunar Impact Basins Caused by Variations in Target Properties. *Science*, 342:724–726

2011 | Le Bars, M., Wieczorek, M. A., Karatekin, Ö., Cébron, D., and Laneuville, M. (2011). An impact-driven dynamo for the early Moon. *Nature*, 479(7372):215–218

Grott, M., Breuer, D., and Laneuville, M. (2011). Thermo-chemical evolution and global contraction of Mercury. *Earth Planet Sci Lett*, 307(1-2):135–146

Conference Oral Presentations

2014	*A long-lived lunar dynamo powered by core crystallization*, in Lunar and Planetary Science Conference (LPSC), Houston, US.
2013	*Asymmetric Thermo-Chemical Evolution of the Moon*, in Lunar and Planetary Science Conference (LPSC), Houston, US.
2012	*Asymmetric thermal evolution of the Moon*, in Geodynamics Workshop, Wandlitz, Germany.
2012	*Asymmetric thermal evolution of the Moon*, in Planetary Volcanism Workshop, Toulouse, France.
2010	*Thermo-chemical evolution and global contraction of Mercury*, in European Planetary Science Congress (EPSC), Rome, Italy.

Grants

2013	PI of DARI Proposal for Supercomputer access (80k hours)
2013	Co-PI of HLRN Supercomputer access (1.2M hours)
2012	PI of DARI Proposal for Supercomputer access (80k hours)
2012	Co-PI of JSC Supercomputer access (384k hours)
2012	CNES Alpbach Summer School Fellow (1100 EUR)

Teaching Experience and Public Outreach

2015	**Article** review article on lunar history for French newspaper (in prep).
2014	**Interwiew** 3 interventions on lunar evolution for French and German newspaper.
2011	**Teaching assistant** for "Computing tools" University Paris Diderot (Paris 7)
2010	**Teaching assistant** for "Mathématiques 2", Prof. S. Jacquemoud (Institut de Physique du Globe de Paris)
2009	**Public outreach**. Participation in the 40th anniversary commemoration of the Apollo 11 Moon landing (Clair de Lune).

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