**Julia M. Ribeiro**

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Rice University

Department of Earth Science

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USA

**Education**

2008 - 2013 PhD in Geosciences, the University of Texas at Dallas (USA). Advisor: R. J. Stern.

2006 - 2007 MSc. in Marine Geosciences, Institut Universitaire Européen de la Mer (France), *Magna Cum Laude*. Advisor: R.C. Maury.

**Positions held**

2015 - Postdoctoral research associate, Rice University, USA.

2013 – 2015 Postdoctoral researcher, University of Texas at Dallas, USA.

03/14 – 05/14 Igneous petrologist, IODP Expedition 350 in the Izu-Bonin rear arc.

2010 – 2013 NSF-funded research assistant, University of Texas at Dallas, USA.

10/11 – 05/12 Visiting Student, University of Rhode Island, USA.

10/09 Visiting Student, NOAA, Newport, Or, USA.

2008 – 2010 Research assistant / teaching assistant, University of Texas at Dallas, USA.

**Research interests**

* The volatile cycle and their chemical exchanges between the Earth’s reservoirs.
* The deep water and sulfur cycles at subduction zones.
* Subduction influxes and outfluxes, and their spatio-temporal variations.
* Mantle heterogeneities.
* Petrogenesis of subduction-related lavas, adakites.
* Subduction initiation.

**Scholarships, Honors and Awards**

2015 – 2016 IODP-USSSP post-expedition award ($15,000).

2012  Outstanding Student Paper Award, AGU Fall meeting.

2009 Golden Key Honor Society.

2009 - 2013 Graduate teaching scholarship.

2009 Takken Award.

2008 - 2009 Graduate student scholarship.

**Publications**

**Peer-reviewed publications**

**12) Ribeiro J.M.**, Lee C.T.A. (in revision) An imbalance in the deep water cycle at subduction zones: Recognizing the importance of the fore-arc mantle, *Earth and Planetary Science Letters*.

**11) Ribeiro J.M.**, Stern R.J., Martinez F., Woodhead J., Chen M., Ohara Y. (submitted) An Indian mantle outflow beneath the southernmost Mariana convergent plate margin?

10) Chen M., Niu F., Tromp J., Lenardic A., Lee C.T., Cao W., **Ribeiro J.M.** (2017) Oligocene lithosphere foundering and present-day Indian lithosphere underthrusting imaged beneath South-central Tibet, *Nature communications*.

9) Busby C.J., Tamura Y., Blum P., Guèrin G., Andrews G.D.M., Barker A.K., Berger J.L.R., Bongiolo E.M., Bordiga M., DeBari S.M., Gill J.B., Hamelin C., Jia J., John E.H., Jonas A.-S., Jutzeler M., Kars M.A.C., Kita Z.A., Konrad K., Mahoney S.H., Martini M., Miyazaki T., Musgrave R.J., Nascimento D.B., Nichols A.R.L., **Ribeiro J.M.**, Sato T., Schindlbeck J.C., Schmitt A.K., Straub S.M., Vautravers M.J., and Yang Y. (2017) The missing half of the subduction factory: Shipboard results from the Izu rear arc, IODP Expedition 350, *International Geology Reviews*, <http://dx.doi.org/10.1080/00206814.2017.1292469> (*Invited paper)*

8) **Ribeiro J.M.**, Maury R.C., Grégoire M. (2016)Are adakites slab melts or high-pressure fractionated mantle melts?, *Journal of Petrology,* doi: 10.1093/petrology/egw023.

7) Vautravers M. and **Expedition 350 scientists** (revised) *D*ata Report: Pleistocene planktonic foraminiferal Oxygen and Carbon stable isotopes records and their use to improve the age model of Hole U1436C recovered East of the volcanic Aogashima Island***,*** *Micropaleontology.*

6) Tamura Y., Busby C.J., Blum P., and the **Expedition 350 Scientists** (2015) Proceedings of the International Ocean Discovery Program, Expedition 350: Izu-Bonin-Mariana Rear Arc. *International Ocean Discovery Program Publications*, <http://dx.doi.org/10.14379/iodp.proc.350.2015>.

5) **Ribeiro J.M.**, Stern R.J., Kelley K.A., Shaw A., Martinez F., Ohara Y. (2015) Composition of the slab-derived fluids released beneath the Mariana forearc: evidence for shallow dehydration of the subducting plate. *Earth and Planetary Science Letters*, doi: 10.1016/j.epsl.2015.02.018.

4) **Expedition 350 Scientists (**2014) Izu-Bonin-Mariana rear arc: the missing half of the subduction factory. International Ocean Discovery Program Preliminary Report, 350, <http://dx.doi.org/10.14379/iodp.pr.350.2014>*.*

**3) Ribeiro J.M**., Stern R.J., Kelley K.A., Martinez F., Ishizuka O., Manton W., Ohara Y. (2013) Nature and distribution of the slab-derived fluids and mantle source along the Southeast Mariana Forearc Rift. *Geochemistry Geophysics Geosystems*, doi: 10.1002/ggge.20244.

**2) Ribeiro J.M.,** Ishizuka O., Stern R.J., Kelley K.A., Anthony E.Y., Ren M., Ohara Y., Reagan M., Girard G., Bloomer S. (2013) *G*eodynamic evolution of a forearc rift in the southernmost Mariana intraoceanic Arc. *Island Arc*, doi:10.1111/iar.12039.

1. Ohara Y., Reagan M., Fujikura K., Watanabe H., Michibayashi K., Ishii T., Stern R.J., Pujana I., Martinez F., Girard G., **Ribeiro J.,** Brounce M., Komori N., Kino M. (2012)A serpentinite-hosted ecosystem in the Southern Mariana Forearc, *Proceeding the National Academy of Sciences*, doi:10.1073/pnas.1112005109.

*Press highlights: Vista al Mar, JAMSTEC/IFREE, Ocean Leadership, UTDallas news.*

**Other publications (not peer-reviewed)**

7) Jonas A.S., Schindlbeck J.C. and **Expedition 350 scientists** (2014) Expedition report for IODP Expedition 350: Izu-Bonin-Mariana: The missing half of the subduction factory, Expedition IODP 350 cruise report, IODP Germany.

6) **TN273 scientific team** (2012) R/V TN273 progress report, NSF, December 22nd 2011 to January 22nd 2012, from Guam to Guam (USA).

5) **TN273 scientific team** (2012) R/V TN273 cruise report, NSF, December 22nd 2011 to January 22nd 2012, from Guam to Guam (USA).

4) **YK10-12 scientific team** (2010) Composition, Structure and Tectonics of the southern Mariana forearc, R/V YK10-12 cruise report, JAMSTEC, September 17th to October 1st 2010, from Guam (USA) to Yokosuka (Japan).

3) **NT09-02-Leg1 scientific team** (2009) Studies of submarine arc volcanism and hydrothermal activity in the southern Mariana Arc, R/V NT09-02-Leg 1, JAMSTEC, from Guam (USA) to Saipan (Commonwealth island).

2) **NT09-08 scientific team** (2009) Southern Mariana arc, R/V NT09-08 cruise report, JAMSTEC, June 9th to June 23rd 2009, from Guam (USA) to Saipan (Commonwealth Island).

1) **YK08-08-Leg2 scientific team** (2008) Structure and origin of the Mariana forearc and implication for the origin of the continental crust: A Shinkai 6500 study of the southern Mariana forearc, R/V YK08-08-Leg2 cruise report, JAMSTEC, July 8th to July 22nd 2008, from Guam (USA) to Yokosuka (Japan).

**Funding**

**Past funding**

2015 - 2016 IODP-USSSP, Volatile cycle in the Izu-Bonin intraoceanic arc from Miocene to Quaternary (with R.J. Stern-UTD; $15, 000) Lead PI.

1. Goldschmidt conference travel grant, European association of Geochemistry ($1,250).

2009 American Geophysical Union (AGU) travel grant ($500).

2008 Geological Society of America (GSA) travel grant ($500).

**Analytical and Mapping skills**

* XRF microscope for identifying mineral phases.
* Scanning Electron Microscopy (SEM) for sulphide identification by electron microprobe.
* Thermal ionization Mass Spectrometry (TIMS) on MAT Finigan 261 for Nd, Sr, Pb isotope analysis on bulk rocks and chemical preparation in clean lab.
* Inductively Coupled Plasma mass spectrometer (ICP-MS) trace element analyses on bulk rocks, with chemical preparation of the samples in clean lab.
* Laser Ablation System coupled to a quadrupole ICP-MS (LA-ICP-MS) for trace element analyses on glasses, mineral-hosted melt inclusions and minerals.
* Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES) for major element analyses on bulk rocks, with chemical preparation of the samples in clean lab.
* Major analyses of minerals, mineral-hosted melt inclusions and glasses with electron microprobe (Cameca SX 50, SX 100, JEOL Superprobe).
* Hand-picking olivine hosting melt inclusions and glassy rinds and polishing for volatile (H2O, Cl, S, F, CO2) and sulfur isotope (δ34S) analyses with the WHOI Cameca 1280 Ion microprobe (Secondary Ion Mass Spectrometry).
* Mapping with ArcGIS and bathymetric map with Generic Mapping Tool (GMT, linux) – 7 days in NOAA (Newport, Or) to work with S. Merle and R. Embley.

**Marine expeditions**

03/14 – 05/14 Shipboard scientist, IODP Expedition 350 (JOIDES RESOLUTION) in the Izu-Bonin rear arc to investigate formation of the continental crust (2 months).

12/11 – 01/12 Shipboard scientist, Thomas THOMPSON (R/V TN273, NSF-funded): sample dredging, survey with multibeam and deep-tow (IMI 30 of Hawaii University) sonars, and tracking hydrothermal vents with the Miniature Autonomous Plume Recorders in the Southernmost Marianas (1 month).

09/10 Shipboard scientist and scientific observer of Shinkai dive 1230, Yokosuka (R/V YK10-12, JAMSTEC): collecting samples with the manned submersible Shinkai 6500 in the Southernmost Marianas (2 weeks).

06/09 Shipboard scientist, Natsushima (R/V NT09-08, JAMSTEC): investigating submarine arc volcanoes with ROV Hyperdolphin in south and central Marianas (2 weeks).

02/09 Shipboard scientist, Natsushima (R/V NT09-02-Leg1, JAMSTEC): investigating submarine arc volcanoes with ROV Hyperdolphin in south and central Marianas (1 week).

07/08 Shipboard scientist, Yokosuka (R/V YK08-08-Leg2, JAMSTEC): investigating the southernmost Mariana forearc system with manned submersible Shinkai 6500 (2 weeks).

**Invited Lectures**

2017

TBD, GET, Toulouse.

TBD, Durham University (U.K.).

“Where does the mantle flowing underneath the southern Marianas come from?”, University of Texas at Dallas (USA).

“An imbalance in the deep water cycle at subduction zones: Recognizing the importance of the fore-arc mantle”, University of Texas at Dallas (USA).

“The deep sulfur cycle at cold subduction zones”, Earth Science Seminars, Rice University (USA).

2016

“The role of the forearc mantle into the deep volatile cycle”, The Open University (U.K.).

“The role of the forearc mantle into the deep volatile cycle”, Earth Science Seminars, Rice University (USA).

2015

“Is Indian or Pacific mantle flowing beneath the southernmost Mariana intraoceanic arc?”, Loony Noonz seminars, Rice University (USA).

‘Le cycle de l’eau dans les zones de subduction’, ISTERRE, Grenoble University (France).

“Geology and magma genesis of the southernmost Mariana forearc rift”, Cardiff University (U.K.).

“Evidence for shallow dehydration of the subducting plate beneath the Mariana forearc: New insights into the deep water cycle at subduction zones”, Rice University (USA).

“Evidence for shallow dehydration of the subducting plate beneath the Mariana forearc: New insights into the water cycle at subduction zones”, Laboratoire Magmas et Volcans, Université Blaise Pascal (France).

2014

“Evidence for shallow dehydration of the subducting plate beneath the Mariana forearc: New insights into the water cycle at subduction zones,” JAMSTEC (Japan).

“Composition of the slab-derived fluids released beneath the Mariana forearc: evidence for shallow dehydration of the subducting plate”, Oxford University (U.K.).

“Introduction to Barrovian metamorphism”, University of Saint Andrews (Scotland).

“Composition of the slab-derived fluids released beneath the Mariana forearc: evidence for shallow dehydration of the subducting plate”, Joides Resolution, IODP Expedition 350.

2012

“Tracking the ultra-shallow subduction input in the southeast Mariana intraoceanic Arc”, Geoclub meeting, University of Texas at Dallas (USA).

“Tracking water in subduction related lavas. Geoclub meeting”, University of Texas at Dallas (USA).

2008

“Adakite genesis: amphibole composition and geobarometric constraints”, University of Texas at Dallas (USA).

2007

“Adakite genesis: amphibole composition and geobarometric constraints”, Bayerisches Geoinstitut (Germany).

**Teaching experience**

**Co-supervising undergraduate & graduate students**

1. , 2011 UTDallas: Eric Schrimsher (graduate student), Chris Kennedy (undergraduate student).

2016 Rice University: Lexi Malouta (PhD student).

**Teaching assistant**

2008 - 2010 5 semesters (3-4h/week)at theUniversity of Texas at Dallas (graduate and undergraduate levels):

* Petrology of igneous and metamorphic rocks (GEOS 3464) [2 semesters]
* Rocks and minerals (GEOS 2409)
* Structural geology (GEOS 3470)
* Physical geology (GEOS 1303)

**Communications at Conferences and Workshops**

(\*presenting author)

2017

44) Chen M.\*, Niu F., Tromp J., Lenardic A., Lee C.T., Cao W., **Ribeiro J.** Lithospheric foundering and underthrusting imaged beneath Tibet, AAPG meeting.

2016

43) **Ribeiro J.M.\*,** Lee C.T. The role of the forearc mantle in the deep water cycle of cold subduction zones, AAPG conference, Houston Tx.

42) **Ribeiro J.M.\*,** Lee C.T. The role of the forearc mantle in the deep water cycle of cold subduction zones: Importance of supra-slab sources of water in arc magmas, AGU Fall meeting.

41) Niu F.\*, Chen M., Tromp J., Lenardic A., Lee C.T., Cao W., **Ribeiro J.** Lithospheric foundering and underthrusting imaged beneath Tibet, AGU Fall meeting.

39) Miyazaki T.\*, Sato T., Tamura Y., Horie K., Gill J., Senda R., Vaglarov B.S., Haraguchi S., Chang Q., Kimura J.-I. and **IODP expedition 350 Scientists**. Juvenile magma source of N-Izu indicated by the volcaniclastic geochemistry in the deepest part of Site U1437, IODP Exp. 350. Goldschmidt conference, Yokohama, Japan.

2015

38) Singh S., Thompson D.\*, Jones R., **Ribeiro J.M.**, Zhu J., Ague J., Lowell R. The Role of Bend Faults on Slab Serpentinization at Convergent Margins, CIDER pre-AGU workshop.

37) Andrews G.\*, Schmidt A., Busby C. and **Expedition 350 Scientists**. Geochronology and geochemistry of zircons from the IODP site 1437 I the rear arc of the Izu-Bonin volcanic arc. AGU Fall meeting.

36) Singh S., Thompson D.\*, Jones R., Zhu J., **Ribeiro J.M.**, Ague J., Lowell R. The role of bend faults on slab serpentinization and the water cycle at the Nicaragua convergent margin. AGU Fall meeting. (CIDER research project).

35) Singh S.\*, Jones R.\*, **Ribeiro J.M.\***, Thompson D.\*, Zhu J.\*, Ague J., Lowell R. Volatiles in subduction zones: the role of bend faulting and serpentinisation, CIDER summer workshop (CIDER research project).

34) **Ribeiro J.M.\***, Maury R., Grégoire M. Can slabs melt beneath forearcs in hot subduction zones? AGU Fall meeting.

33) **Ribeiro J.M.\***, Woodhead J., Stern R.J., Kelley K.A. The long-term evolution of the mantle flows in the southernmost Marianas. CIDER summer workshop.

32) **Ribeiro J.M.\*,** Stern R.J., Kelley K.A., Shaw A., Martinez F., Ohara Y. Evidence for shallow dehydration of the subducting plate beneath the Mariana forearc: New insights into the water cycle at subduction zones, DCO and CIDER summer workshops.

31) **Ribeiro J.M.\*,** Woodhead J., Stern R.J., Kelley K.A. Is Indian or Pacific mantle flowing beneath the southernmost Mariana intraoceanic arc? Goldschmidt conference, Prague.

30) Sato T.\*, Tamura Y., Miyazaki T., Horie K., Gill J.B., Hamelin C., Senda R., Vaglarov B.S., Haraguchi S., Chang Q., Kimura J.I., and **Expedition 350 Scientists.** Changing arc magmas after backarc basin spreading: results from IODP Expedition 350 Site U 1437,Goldschmidt conference, Prague.

29) Nichols A.\*, Tamura Y., Busby C., Jutzeler M., Schindlbeck J., Mcintosh I. and IODP, **Expedition 350 scientists.** Water in glassy volcaniclastics recovered during IBM IODP Exp. 350: can it help fingerprint eruption sites? Japan Geoscience Union.

28) Cathy B.\*, Tamura Y., Blum P., and **Expedition 350 Scientists.** The missing half of the subduction factory: results from the Izu rear arc, IODP Expedition 350, AOGS [INVITED TALK].

27) Sato T.\*, Tamura Y., Miyazaki T., Senda R., Vaglarov B.S., Haraguchi S., Chang Q., Kimura J.-I., **IODP Expedition 350 Scientists**. Geochemical variation of Izu rear-arc volcanic rocks at drill Site U1437: Preliminary results from IODP Expedition 350, Japan Geoscience Union.

26) Miyazaki T.\*, Tamura Y., Sato T., Senda R., Vaglarov B.S., Haraguchi S., Chang Q., Kimura J.-I., IODP **Expedition 350 Science Party.** Is the deeper part of Hole U1437 a rear-arc or volcanic-front? Preliminary isotope results from under unit V (U1437E), Japan Geoscience Union.

25) Schindlbeck J.C.\*, Kutterolf S., and **Expedition 350** and 352 Scientists. Izu-Bonin-Arc tephrostratigraphy- evolution, provenance, cyclicities (IODP Exp. 350&352), IODP Kolloquium, Germany.

24) Kars M.\*, Vautravers M., Musgrave R., Kodama K. and **Expedition 350 Scientists.** Rock magnetic signature of paleoenvironmental changes in the Izu Bonin rear arc over the last 1 Ma, EGU General Assembly 2015.

23) Vautravers M.\*, Busby C., Tamura Y. and **Expedition 350 Scientists.** Paleoceanography/climate and taphonomy at intermediate water depth in the Subtropical Western North Pacific over the last 1 Ma from IODP Exp 350 Sites U1436C and U1437B, Izu arc area, EGU General Assembly 2015.

2014

22) **Ribeiro J.M.\*,** Stern R.J., Kelley K.A., Shaw A., Martinez F., Ohara Y. Evidence for shallow dehydration of the subducting plate beneath the Mariana forearc: New insights into the water cycle at subduction zones, AGU Fall meeting.

21) Stern R.J.\*, Martinez F., **Ribeiro J.M.**, Reagan M., Ohara Y., Kelley K., Ishizuka O. The Southeast Mariana Forearc Rift: A Modern Analogue for Forearc Extension during Subduction Initiation, AGU Fall meeting [INVITED TALK].

10) Martinez F.\*, Fryer P., Sleeper J., Stern R., Kelley K., Ohara Y., **Ribeiro J.M.** Hydrous lithosphere and diffuse crustal accretion and tectonics in the southern Mariana margin: a possible analog for subduction zone infancy, AGU Fall meeting.

19) Ohara Y.\*, Martinez F., Brounce M., Pujana I., Ishii T., Stern R.J., **Ribeiro J.M.**, Michibayashi K., Kelley K.A., Reagan M.K., Watanabe H., Okumura T., YK14-13 science party. The first Shinkai dive study of the southwestern portion of the Mariana arc system, AGU Fall meeting.

18) Busby C.\*, Tamura Y., Blum P. and **Expedition 350 Scientists.** The missing half of the subduction factory: Preliminary results from the Izu rear arc, IODP Expedition 350, Site 1437, AGU Fall meeting [INVITED TALK].

17) Tamura Y.\*, Jutzeler M., Schindlbeck J., Nichols A., DeBari S., Gill J., Busby C., Blum P. and **Expedition 350 Scientists** Possible large-volume mafic explosive eruptions in the Izu arc recorded in IODP Site U1436, AGU Fall meeting.

16) Musgrave R.\*, Kars M., Novak B. and **Expedition 350 Scientists.** Rock magnetic signal of fluid systems at IODP Site U1437 in the Izu rear arc, AGU Fall meeting.

15) Kars, M., Musgrave R.\*, Kodama K. and **Expedition 350 Scientists.** Rock magnetic properties in the sulfate reduction zone in IODP 350 Hole 1437B, Izu Bonin rear arc, AGU Fall meeting.

2013

**14) Ribeiro J.M.\*,** Stern R.J., Kelley K.A., Shaw A.M., Martinez F., Ohara Y. Composition of the shallow aqueous fluids released beneath forearcs: Insights from Olivine-hosted Melt Inclusions from the SE Mariana Forearc Rift, Goldschmidt conference 2013, Florence, Italy.

2012

13) **Ribeiro J.M.\***, Stern R.J., Kelley K., Shaw A., Shimizu N., Ishizuka O., Ishii T., Manton M. Newresults from TN273 investigations in the SE Mariana forearc rift, AGU Fall meeting.

2011

12) **Ribeiro J.M.\***, Anthony E.Y., Bloomer S., Girard G., Ishizuka O., Kelley K.A., Manton W.I., Martinez F., Merle S.G., Ohara Y., Reagan M., Ren M., Stern R.J. Geology and Petrology of the Southeast Mariana Forearc Rift, AGU Fall meeting.

11) **Ribeiro J.M.\***, Anthony E.Y., Bloomer S., Girard G., Ishizuka O., Kelley K., Manton W., Martinez F., Merle S.G., Ohara Y., Reagan M., Ren M., Stern R.J. Geology and geodynamics of the Southeast Mariana Forearc Rift. GEOPRISMS Workshop, Portland, Or.

10) Stern R.J.\*, Martinez F., **Ribeiro J.**, Reagan M., Ohara Y., Kelley K., Ishizuka O. The Southeast Mariana Forearc Rift: A Modern Analogue for Forearc Extension during Subduction Initiation. GeoPRISMS Workshop, Austin, TX.

2010

9) **Ribeiro J.M.\*,** Stern R.J., Kelley K.A., Ishizuka O., Anthony E., Ren M., Ohara Y., Reagan M., Bloomer S. Composition and spatial evolution of mantle and fluids released beneath the active Southeast Mariana Forearc Rift: do they have forearc, arc or backarc basin signatures? AGU Fall Meeting 2010, abstract V33B-2372.

8) **Ribeiro J.M.\*,** Martinez F., Stern R.J., Kelley K.A., Ohara Y., Reagan M., Bloomer S. The broadly deformed Southeast Mariana Forearc Rift: Interaction between forearc rifting and ultra-shallow fluids, GeoPRISMS /RIE Workshop, Santa Fe, NM.

2009

7) **Ribeiro J.M**.\*, Stern R.J., Kelley K.A., Ishizuka O., Ren M., Ohara Y., Reagan M., Bloomer S., Anthony E.Y. Composition of the Southeast Mariana Forearc Rift pillow lavas: interaction between adiabatic decompression mantle melting and ultra-shallow slab-derived fluids, AGU Fall Meeting 2009, abstract T23A-1881.

6) [Nichols A. R.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Nichols,+A&fullauthor=Nichols,%20A.%20R.&charset=UTF-8&db_key=PHY)\*, [Tamura Y.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Tamura,+Y&fullauthor=Tamura,%20Y.&charset=UTF-8&db_key=PHY), [Stern R. J.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Stern,+R&fullauthor=Stern,%20R.%20J.&charset=UTF-8&db_key=PHY), [Embley R. W.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Embley,+R&fullauthor=Embley,%20R.%20W.&charset=UTF-8&db_key=PHY), [Hein J. R.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Hein,+J&fullauthor=Hein,%20J.%20R.&charset=UTF-8&db_key=PHY), [Jordan E.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Jordan,+E&fullauthor=Jordan,%20E.&charset=UTF-8&db_key=PHY), [**Ribeiro J.M.**](http://adsabs.harvard.edu/cgi-bin/author_form?author=Ribeiro,+J&fullauthor=Ribeiro,%20J.%20M.&charset=UTF-8&db_key=PHY), [Sica N.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Sica,+N&fullauthor=Sica,%20N.&charset=UTF-8&db_key=PHY), [Kohut E. J.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Kohut,+E&fullauthor=Kohut,%20E.%20J.&charset=UTF-8&db_key=PHY), [Whattam S. A.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Whattam,+S&fullauthor=Whattam,%20S.%20A.&charset=UTF-8&db_key=PHY), [Hirahara Y.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Hirahara,+Y&fullauthor=Hirahara,%20Y.&charset=UTF-8&db_key=PHY), [Senda R.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Senda,+R&fullauthor=Senda,%20R.&charset=UTF-8&db_key=PHY), [Nunokawa A.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Nunokawa,+A&fullauthor=Nunokawa,%20A.&charset=UTF-8&db_key=PHY) Submarine Arc Volcanism in the Southern Mariana Arc: Results of Recent ROV studies, AGU Fall Meeting 2009, abstract #T23A-1879.

5) **Ribeiro J.M**.\*, Ishizuka O., Stern R.J., Ohara Y., Reagan M., Bloomer S., Ren M., Anthony E.Y. Forearc rifting in the southernmost Marianas Arc-Back Arc Basin system: Geochemical and petrographic features of young pillow lavas (Shinkai 6500, dive 1096). MARGIN TEI workshop, Portland, Or.

4) **Ribeiro J.M**.\*, Ishizuka O., Stern R.J., Bloomer S. Young pillow lavas of the southern Mariana fore-arc (Shinkai 6500, Dive 1096): Are they related to the arc, fore-arc or back-arc basin magmagenetic system?, GSA, Vol. 41, No. 2, p. 32, Paper no13-25.

2008

3) Ohara Y.\*, [Reagan M. K.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Reagan,+M&fullauthor=Reagan,%20M.%20K.&charset=UTF-8&db_key=PHY), Bloomer S. H., [Fryer P.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Fryer,+P&fullauthor=Fryer,%20P.&charset=UTF-8&db_key=PHY), [Fuji A.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Fuji,+A&fullauthor=Fuji,%20A.&charset=UTF-8&db_key=PHY), [Hickey-Vargas R.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Hickey-Vargas,+R&fullauthor=Hickey-Vargas,%20R.&charset=UTF-8&db_key=PHY), Imoto H., [Ishii T.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Ishii,+T&fullauthor=Ishii,%20T.&charset=UTF-8&db_key=PHY), [Ishizuka O.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Ishizuka,+O&fullauthor=Ishizuka,%20O.&charset=UTF-8&db_key=PHY), Johnson J., [Michibayashi K.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Michibayashi,+K&fullauthor=Michibayashi,%20K.&charset=UTF-8&db_key=PHY),[**Ribeiro J.**](http://adsabs.harvard.edu/cgi-bin/author_form?author=Ribiero,+J&fullauthor=Ribiero,%20J.&charset=UTF-8&db_key=PHY)**M.**, [Stern R. J.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Stern,+R&fullauthor=Stern,%20R.%20J.&charset=UTF-8&db_key=PHY), [Uehara S.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Uehara,+S&fullauthor=Uehara,%20S.&charset=UTF-8&db_key=PHY) Studies of the Southern Izu-Bonin-Mariana (IBM) Forearc using Shinkai 6500: Watery Glimpses of an In Situ Forearc Ophiolite, AGU Fall Meeting 2008, abstract V33A-2194.

**2) Ribeiro J.M**.\*, Benoit M., Maury R.C. Adakite genesis: amphibole composition and geobarometric constraints, GSA, Vol. 40, No. 6, p. 249, Paper no 193-1.

**1) Ribeiro J.M**.\*, Benoit M., Maury R.C. Adakite genesis: amphibole composition and geobarometric constraints, Société Géologique de France, Nancy, France.

**Honor societies**

Golden Key International Honor Society.

**Professional society memberships**

Member of American Geophysical Union; GeoPRISMS/MARGINS; Geological Society of America; Deep Carbon Observatory (DCO); Cooperative Institute for Dynamic Earth Research (CIDER); Geological Society of America; Geochemical society.

**Public and Education outreach**

* Geoscientist representative of 'Science: it's a girl thing!', ‘Question and Answer’ chat on Facebook for 1 hour in March 2015. 72 participants.
* IODP 350 video sessions, 114 sessions were given by IODP participants during Expedition 350: 11 sessions for University groups; 16 sessions for 16-18 yr old; 44 sessions for 11-15 yr old; 31 sessions for museums, science centres, home educators, virtual networks, adult and youth groups, scouts in US, UK, France, Germany, Japan, Iraq, Australia, Canada. Total numbers reached circa 5,500.

**Languages**

* French: mother tongue;
* English: fluent.