

Gabriel Tagliaro

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RESEARCH INTERESTS

• *Marine Geology and Geophysics; Stratigraphy and Sedimentology; Cenozoic Evolution.*
Neogene Paleooceanography and Paleoclimate, Seismic Stratigraphy, Sea level Change, Depositional Systems.

EDUCATION

Ph.D. Student in Geological Sciences Expected: Aug 2020
The University of Texas at Austin, Jackson School of Geosciences
Thesis: Evolution of Neogene Sequences on Continental Margins: Western Australian Margin.
Advisors: Craig Fulthorpe and Luc Lavier.

Bachelor of Sciences in Geology Dec 2014
Universidade do Vale do Rio dos Sinos – UNISINOS, Brazil
Thesis: Formation and Evolution of the Rio Grande Cone, Pelotas Basin. Advisor: Francisco Tognoli.

Undergraduate Year Abroad - Baylor University, School of Geosciences May 2012 – May 2013

RESEARCH

Shipboard Sedimentologist - International Ocean Discovery Program (IODP). Sep 2017 – Dec 2017
• Expedition 369, Australia Cretaceous Climate and Tectonics.
• Expedition Objectives: (1) The rise and collapse of the Cretaceous hothouse; (2) Cenozoic paleoceanography in the Southern Indian Ocean; (3) the tectonic and depositional history of the Naturaliste Plateau and Mentelle Basin prior to Gondwana breakup.
• PIs: Brian Huber (Smithsonian Institute); Richard Hobbs (Durham University).

Undergraduate Researcher - Universidade Do Vale Do Rio Dos Sinos, Brazil Jan 2014 – Dec 2014
• Seismic Stratigraphy of the Rio Grande Cone, Pelotas Basin. PI: Francisco Tognoli

Undergraduate Researcher - Stanford University Jun 2013 – Aug 2013
• Formation of Asymmetric Valleys in the Gabilan Mesa, California. PIs: George Hilley and Samuel Johnstone

Research Assistant - Universidade Do Vale Do Rio Dos Sinos, Brazil Aug 2011 - Aug 2012
• Soft-Deformations in the Talacasto Valley. British Gas E&P Brasil Project, in glacial environments and turbiditic systems. PIs: Ubiratan Faccini and Paulo Sergio Gomes Paim.

PUBLICATIONS

• Johnstone, S.A., Chadwick, K.D., Frias, M., **Tagliaro, G.** and Hilley, G.E., 2017. Soil development over mudrich rocks produces landscape-scale erosional instabilities in the northern Gabilan Mesa, California. *Geological Society of America Bulletin*, pp. B31546-1.

Under Review

· **Tagliaro, G.**, Fulthorpe, C., Gallagher, S.J., McHugh, C.M., Kominz, M., Lavier, L.L. Neogene siliciclastic deposition and climate variability on a carbonate margin: Australian Northwest Shelf. 2018.

CONFERENCES

· **Tagliaro, G.**; Fulthorpe, C; Gallagher, S; McHugh, C; Kominz, M; Lavier, L. Climate Variability and Siliciclastic Deposition on a Carbonate Margin – Neogene of the Northwest Shelf of Australia. In: *American Geophysical Union Fall Meeting. Poster Session, 2017.*

· **Tagliaro, G.**; Fulthorpe, C; Lavier, L; Gallagher, S. Middle-late Miocene siliciclastic influx on the Australian Northwest Shelf: origins and potential links to global events. In: *American Geophysical Union Fall Meeting. Oral Presentation, 2016.*

· **Tagliaro, G.**; Johnstone, S.; Hilley, G. Formation of Asymmetric Valleys in the Gabilan Mesa - California. In: IX South Brazilian Geological Symposium, Florianópolis. *Anais do IX Simpósio Sul Brasileiro de Geologia, 2015.*

· **Tagliaro, G.**; Tognoli, F. M. W. Formation and Evolution of Post-Oligocene Structures of the Rio Grande Cone, Pelotas Basin. In: XLVII Brazilian Geological Congress, 2014, Salvador. *Anais do Congresso Brasileiro de Geologia, 2014.*

FELLOWSHIPS AND AWARDS

· **United States Doctoral Scholarship.** Council for Scientific and Technological Development (CNPQ). Ministry of Science and Technology, Brazil. 2015-2019. **\$235,703.**

· **United States Undergraduate Scholarship.** Council for Scientific and Technological Development (CNPQ). Ministry of Science and Technology, Brazil. 2012-2013. **\$50,000.**

· **Scientific Fair Honorable Mention.** Universidade do Vale do Rio dos Sinos, Brazil. 2014.
Award given for the presentation: Post-Oligocene Structures of the Rio Grande Cone, Pelotas Basin.

FIELD EXPERIENCE

· Shipboard Sedimentologist, JOIDES Resolution IODP 369. Indian Ocean - Australia	2017
· Stratigraphy of the Cape Range National Park. Northern Carnarvon Basin - Australia	2017
· Clastic Depositional Systems of the Fish Creek – Vallecito Basin. California - US	2016
· Sequence Stratigraphy of Guadalupe Mountains. Texas and New Mexico - US	2016
· Stratigraphy and Sedimentology of the Talacasto Valley. Paganzo Basin - Argentina	2012
· Regional Geology and Geological Mapping. Parana Basin - Brazil	2011-2014
· Regional Geology and Geological Mapping. Camaquã Basin - Brazil	2011-2014

PROFESSIONAL ACTIVITIES

· Short Course: Reservoir Geomechanics – Dr. Mark Zoback. 60h. Stanford University. 2015.

· Short Course: Fundamentals of borehole seismic analysis and processing – Dr. Jerry M. Harris, Dr. Amin Bassrei. 8h. VI Brazilian Geophysical Symposium. Porto Alegre. 2014.

LANGUAGES

English – Fluent; Spanish – Fluent; Portuguese – Native.

SOFTWARES

PETREL (Schlumberger), LANDMARK (Halliburton), KINGDOM SUITE (IHS), ARCGIS (ESRI), DIONISOS (BeicipFranlab), MATLAB.