

CURRICULUM VITAE

Paul G. Fitzgerald

Nationality: New Zealand and US (October 2007)
Current Address: Department of Earth Sciences, Syracuse University
Syracuse, NY 13244, USA

Education

1988 Ph.D., Geology, University of Melbourne, Australia
1982 B. Sc. (Hons.) Geology, First Class, First Place, Victoria University of Wellington,
New Zealand.
1981 Transitional Certificate in Geology, Victoria University of Wellington, New Zealand
1980 B. Sc., Zoology, Victoria University of Wellington, New Zealand

Professional Experience

2008 - present Professor, Syracuse University
2014 - 2017 Associate Dean for Sciences, Mathematics and Research (College of Arts and
Sciences, Syracuse University)
2016 (Jan-April) Erskine Fellow, University of Canterbury, Christchurch, New Zealand
2012 – 2013 Associate Chair, Department of Earth Sciences
2000 - 2008 Associate Professor, Syracuse University
2006 (Feb-May) Visiting Scientist, Lamont Doherty Earth Observatory at Columbia
University, New York
2005 (Feb-May) Visiting Scientist, Antarctic Research Centre, Victoria University of
Wellington, New Zealand
1998 - 2000 Associate Research Scientist, University of Arizona
1997 - 1998 Science Strategy Manager, Antarctica New Zealand (New Zealand Antarctic
Institute)
1993 - 1996 Associate Research Scientist, University of Arizona
1990-1993 Faculty Research Associate, Arizona State University
1988-1989 Post Doctoral Research Associate, Arizona State University
1983-1987 Research assistant, teaching assistant, Department of Geology, University of
Melbourne, Australia
1982-1983 Amoco Minerals (New Zealand); Geologist
1980-1981 Field assistant in McMurdo Sound and Dry Valleys region of Antarctica, Victoria
University of Wellington Antarctic Research Center

Awards and Honors

Geological Society of America Fellow (2005)
Antarctic Service Medal (US Navy)

Teaching experience: Syracuse University

EAR 101 Dynamic Earth
EAR 105 Earth Sciences

EAR 333 Structural Geology

EAR 431/631 Plate Tectonics

EAR 444/644 Thermochronology

EAR 430/630 Research seminars in tectonics and thermochronology. Topics include:

(U-Th)/He dating

Convergent tectonics

Active tectonics of New Zealand

Tectonic evolution of Antarctica

Continental extensional tectonics

Active Tectonics

Tectonics of New Guinea

EAR 690 and EAR 990 Independent Studies

HNR 100 Honors Seminar: Earth sciences, exploration and extreme environments

CAS 101 First Year Forum

Research Interests

Tectonics, orogenic evolution and long-term landscape development. Specifically the application of, as well as further development of, low-temperature thermochronologic techniques toward the resolution of tectonic problems such uplift and exhumation histories of mountain belts in a variety of plate tectonic environments: extensional, convergent through strike-slip. My goal is to better understand geologic processes in these different tectonic settings.

Present studies include: [1] (U)HP exhumation in a rift-related setting in eastern Papua New Guinea. NSF supported. [2] Understanding strike-slip deformation along the Denali Fault, the uplift and formation of the Alaska Range, and the mechanisms responsible for its formation; NSF supported. [3] The tectonic evolution of the Transantarctic Mountains and the Ellsworth - Whitmore Mountains microplate of West Antarctica; NSF supported, [4] The tectonic evolution and denudation history of the Pyrenean Orogen; NSF supported.

Research Publications

Gonzalez, J.P. S.L. Baldwin, J.B. Thomas, W.O. Nachlas and P.G. Fitzgerald (2020). First discovery of coesite in the Appalachians and characterization of the prograde metamorphic history of garnet in a Taconic metapelite. *Geology*

Malusà, M.G. and P.G. Fitzgerald, 2020. The geologic interpretation of the detrital thermochronology record within a stratigraphic framework, with examples from the European Alps, Taiwan and the Himalayas. *Earth Science Reviews* v. 201, 103074.
<https://doi.org/10.1016/j.earscirev.2019.103074>

*Lossada, A., L. Giambiagi, G. Hoke, P.G. Fitzgerald, J. Mescua, J. Suriano, A. Aguilar, 2020. Detrital thermochronology reveals major middle Miocene exhumation of the eastern flank of the Andes predates the Pampean flat-slab (33°-33.5°S) Tectonics.
<https://doi.org/10.1029/2019TC005764>

Trop, J., J.A. Benowitz, D. Koeppe, D. Sunderlin, M. Brueseke, P. Layer, and P.G. Fitzgerald, 2020, Stitch in the Ditch: Nutzotin Mountains (Alaska) fluvial strata and a dike record ~117-

114 Ma suturing of the Wrangellia terrane with western North America and initiation of the Totschunda Fault. *Geosphere*, v. 16, 82–110, <https://doi.org/10.1130/GES02127.1>

Gillis, R.J., Fitzgerald, P.G., Ridgway, K.D., Keough, B.M., Benowitz, J.A., and Allen, W.K., 2019, Overview of the new 1:25,000-scale geologic mapping of the McCallum-Slate Creek fault system, Eastern Alaska Range, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2018-3, 10 p. <http://doi.org/10.14509/30136>

*Shorten C.M. and P.G. Fitzgerald, 2019. Post-orogenic thermal history and exhumation of the northern Appalachian Basin: Low-temperature thermochronologic constraints. *Basin Research*, 00:1–23. <https://doi.org/10.1111/bre.12354>

Malusà, M.G. and P.G. Fitzgerald, 2019. Fission track thermochronology and its application to geology, 393 p, Springer. doi.org/10.1007/978-3-319-89421-8.

Malusà, M.G. and P.G. Fitzgerald 2019. From cooling to exhumation: setting the reference frame for the interpretation of thermochronologic data. Chapter 8, in Malusà, M.G. and P.G. Fitzgerald (eds.), *Fission track thermochronology and its application to geology*, p. 147-164, Springer, doi.org/10.1007/978-3-319-89421-8_8

Fitzgerald, P.G. and M.G. Malusà, 2019. Concept of the exhumed partial annealing (retention) zone and age-elevation profiles in thermochronology. Chapter 9 in Malusà, M.G. and P.G. Fitzgerald (eds.), *Fission track thermochronology and its application to geology*, p. 165-189, Springer, doi.org/10.1007/978-3-319-89421-8_9.

Malusà, M.G. and P.G. Fitzgerald, 2019. Application of thermochronology to geologic problems: Approaches and conceptual models. Chapter 10 in Malusà, M.G. and P.G. Fitzgerald (eds.), *Fission track thermochronology and its application to geology*, p. 191-209, Springer, doi.org/10.1007/978-3-319-89421-8_10.

Baldwin, S.L., P.G. Fitzgerald and M.G. Malusà, 2019. Crustal exhumation of plutonic and metamorphic rocks: Constraints from fission track thermochronology. Chapter 13 in Malusà, M.G. and P.G. Fitzgerald (eds.), *Fission track thermochronology and its application to geology*, p. 235-257, Springer, doi.org/10.1007/978-3-319-89421-8_13.

Fitzgerald, P.G., M.G. Malusà and J.A. Munoz, 2019. Detrital thermochronology using conglomerates and cobbles. Chapter 17 in Malusà, M.G. and P.G. Fitzgerald (eds.), *Fission track thermochronology and its application to geology*, p. 295-314, Springer, doi.org/10.1007/978-3-319-89421-8_17.

Liao, J., M.G. Malusa, L. Zhao, S.L. Baldwin, P.G. Fitzgerald and T. Gerya, 2018. Divergent plate motion drives rapid exhumation of (ultra)high pressure rocks. *Earth and Planetary Science Letters*, 491, 67-80. doi.org/10.1016/j.epsl.2018.03.024.

*Lossada, A., L. Giambiagi, G. Hoke, P.G. Fitzgerald, C. Creixell, I. Murillo, D. Mardonez, R. Velásquez and J. Suriano, 2017. The late Eocene constructional phase in the Andes at 30°S: evidence from thermochronology, *Tectonics*, 36. <https://doi.org/10.1002/2017TC004674>.

Craddock, J.P., P.G. Fitzgerald, A. Konstantinou, A. Nereson and R.J. Thomas, 2016, Detrital Zircon

Provenance of Upper Cambrian-Permian Strata and Tectonic Evolution of the Ellsworth Mountains, West Antarctica, Gondwana Research, doi:[10.1016/j.gr.2016.11.011](https://doi.org/10.1016/j.gr.2016.11.011)

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- Fitzgerald, P.G., S.M. Roeske, J.A. Benowitz, S.J. *Riccio, S.E. *Perry, and P.A. Armstrong, 2014. Alternating asymmetric topography of the Alaska Range along the strike-slip Denali Fault: Strain partitioning and lithospheric control across a terrane suture zone, *Tectonics*, 33, doi:10.1002/2013TC003432.
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- Hoke, G.D., N.R. *Graber, J.F. Mescua, L.B. Giambiagi, P.G. Fitzgerald, and J.R. Metcalf, 2013. Near Pure Surface Uplift of the Argentine Frontal Cordillera: insights from (U-Th/He) thermochronology and geomorphic analysis, in *Geodynamic Processes in the Andes of Central Chile and Argentina*, edited by Sepulveda, S. A., L. B. Giambiagi, S. M. Moreiras, L. Pinto, M. Tunik, G. D. Hoke, and M. Farias. Geological Society, London, ^[1]_[SEP]Special Publications, 399, <http://dx.doi.org/10.1144/SP399.4>
- Brown, R., R. Beucher, S. Roper, C. Persano, F. Stuart, and P.G. Fitzgerald, 2013. Natural age dispersion arising from the analysis of broken crystals, Part I. Theoretical basis and implications for the apatite (U-Th)/He thermochronometer, *Geochimica et Cosmochimica Acta*. doi.org/10.1016/j.gca.2013.05.041.
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- *Benowitz, J.A., P.W. Layer, P.A. Armstrong, S.E. Perry, P.J. Haeussler, P.G. Fitzgerald and S. Vanlaningham, 2011. Spatial Variations in Focused Exhumation Along a Continental-Scale Strike-Slip Fault: the Denali Fault of the Eastern Alaska Range, *Geosphere*. v. 7; no. 2; p. 455–467; doi: 10.1130/GES00589.1.
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conglomerates: constraints on the exhumation of the South-Central Pyrenees. Basin Research. DOI: 10.1111/j.1365-2117.2010.00492.x

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Other Contributions

- Fitzgerald, P.G., J. Benowitz, P. Haeussler, S. Perry, P. Brease, and J. Garver, 2008. Tectonics and Neotectonics of south-central Alaska. FT2008 (11th International Conference on Thermochronometry, 15-19 September 2008, Anchorage Alaska) Pre-Conference Field-trip, 50 p.
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- A New Zealand Science Strategy for Antarctica and the Southern Ocean, 1998, Antarctica New Zealand Misc. Series 4, 35 pp, (first and second drafts written/compiled by me while I was the Science Strategy Manager at Antarctica New Zealand).
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- Fitzgerald, P.G., 1994. Evidence for uplift of the Transantarctic Mountains: Fact or Fiction. in Wilson, T.J., and Flynn, C. (eds), Geodynamic evolution of the Transantarctic Mountains and West Antarctic Rift System, BPRC Report No. 12, Byrd Polar Research Centre, The Ohio State University, Columbus, Ohio.
- *Redfield, T.F. P.G. Fitzgerald and M. Roberts, 1993. Fission track investigations of lithotectonic histories: northern Victoria Land, 1993. Antarctic Journal of US., 28, 41-42.
- Fitzgerald, P.G., T.F. *Redfield, P.M. Goldstrand and C. Hobbs, 1993. Geologic and fission track studies in the Heritage Range, Ellsworth Mountains and nunataks of West Antarctica, 1993. Antarctic Journal of US, 28, 43-46.
- Fitzgerald, P.G., 1994. Uplift of the Transantarctic Mountains: Constraints from fission track thermochronology. In: LIRA (Lithospheric Investigations in the Ross Sea Area) Workshop on Landscape Evolution: A multidisciplinary approach to the relationship between Cenozoic climate change and tectonics in the Ross Sea area, Antarctica. edited by F.M. van der Wateren, A.L.L.M Verbers, and F. Tessensohn. Haarlam,: Rijks Geologische Dienst. - III. Met lit (Geological Survey of The Netherlands), p. 41-46.

- Fitzgerald, P.G., T.F. *Redfield, S.J. Reynolds and E. Stump, 1992. Fission track studies in northern Victoria Land in the 1991-1992 field season. *Antarctic Journal of US*, 27, 12-14.
- Stump, E. and P.G. Fitzgerald, 1990. Field collection for apatite fission track analysis, Ellsworth Mountains. *Antarctic Journal of US*, 25, 38-39.
- Stump, E. and P.G. Fitzgerald, 1988. Field collecting for apatite fission track analysis of uplift history of Scott Glacier area, Transantarctic Mountains. *Antarctic Journal of US* 23, p. 12.
- Fitzgerald, P.G., 1986. Fission track tectonics of the Transantarctic Mountains, Beardmore Glacier area. *Antarctic Journal of US* 21, p. 38-41.
- Fitzgerald, P.G., 1986. Fission Track Studies - Beardmore Glacier. In: Barrett, P.J. (Editor), Immediate Report of Victoria University of Wellington Antarctic Expedition 30, 1985/86, p. 13-17.
- Fitzgerald, P.G., 1985. Bedrock Studies. In: Pyne, A. (Editor), 1985. Immediate Report of Victoria University of Wellington Antarctic Expedition 29, 1984-85, p. 22-25.
- Fitzgerald, P.G., 1984. Bedrock Studies. In: Pyne, A. (Editor), 1984. Immediate results of Victoria University of Wellington Antarctic Expedition 28, 1983-84, p. 15-20.
- Fitzgerald, P.G., 1982. Environment of deposition of the Feather Conglomerate at Mt Bastion, South Victoria Land, Antarctica. In: Barrett, P.J. (Editor), 1982. Immediate results of Victoria University of Wellington Antarctic Expedition 26, 1981-82, p. 12.

Abstracts – see appendix at end

Funding:

- "Collaborative Research: Investigating controls on temporal-spatial heterogeneous deformation along a transpressive strike-slip fault system: The eastern Denali Fault Corner". EAR-1550034, National Science Foundation Tectonics. \$196,971. 8/16-7/21, (Fitzgerald PI). Collaborative with the University of Alaska (Fairbanks) and Purdue University.
- "Collaborative Research": Causes and mechanisms of focused exhumation along the Denali fault, Eastern Alaska Range. EAR- 0952800, National Science Foundation Tectonics. \$139,856. 1/10 – 1/14, (Fitzgerald PI). Collaborative with the University of Alaska (Fairbanks) and the University of California (Davis).
- "Collaborative Research: How is rifting exhuming the youngest HP/UHP rocks on Earth?" National Science Foundation Continental Dynamics, EAR-0709054 \$1,282,741 (S.L. Baldwin - PI; Fitzgerald Co-PI, L.E. Webb Co-PI), 7/1/07 - 6/30/13. Collaborative with Boston University, Columbia University Lamont Doherty Earth Observatory, University of Texas at Austin, University of California at Santa Barbara.
- Along-strike variation of the uplift and exhumation of the Pyrenean Orogen: Constraining the evolution of an intra-plate orogen. EAR-0538216; National Science Foundation Tectonics. \$315,028. 7/1/06 - 6/30/10, (Fitzgerald PI, S.L. Baldwin - co-PI).
- Phase II Technician Support: Syracuse University Noble Gas Isotope Research Laboratory/(SUNGIRL) National Science Foundation, Instrumentation and Facilities. EAR 0447305. \$150,000. 7/01/05 - 6/31/07. Syracuse University Matching funds \$21,112. (S.L. Baldwin - PI; Fitzgerald Co-PI).

- Collaborative Research: Dynamic Models for the Tectonic Evolution of the Transantarctic Mountains and the Ross Embayment. National Science Foundation, Polar Programs. OPP 03-38009. \$38,843, 2/1/04 - 1/31/07. (Fitzgerald - PI. Collaborative with Roger Buck and Mike Studinger, Columbia University Lamont Doherty Earth Observatory).
- Continental extension in the western Woodlark Basin: P-T-t-D constraints from Normanby and Misima Islands. National Science Foundation, Tectonics, EAR 02-08334. \$312,009. 5/15/02 - 5/14/06. (S.L. Baldwin, co-PI).
- Technician support: Syracuse University Noble Gas Isotope Research Laboratory (SUNGIRL). National Science Foundation, Instrumentation and Facilities. EAR 01-30833. \$210,000. Syracuse University Matching funds \$33,924. 3/1/02 - 2/29/06. (S.L. Baldwin, co-PI).
- "Supplement" Tracking the West Antarctic rift flank. National Science Foundation, Polar Programs. OPP-9615294. \$65,000. 7/1/01 - 6/31/04. (S.L. Baldwin, co-PI).
- "REU Supplement" Tracking the West Antarctic rift flank, National Science Foundation, Polar Programs. OPP-9615294. \$5,000. 9/1/02 - 8/31/04. (S.L. Baldwin, co-PI).
- "Collaborative Research": Exhumation of the Transantarctic Mountains: Constraints from (U-Th)/He dating of apatites", National Science Foundation, Polar Programs, OPP-0002824. \$65,000. 6/1/00 - 5/31/03. (S.L. Baldwin, co-PI). Collaborative with K. Farley, California Institute of Technology.
- "Collaborative Research": Four-dimensional evaluation of a major continental detachment fault: Structural, paleomagnetic and thermochronologic constraints", National Science Foundation, Tectonics. EAR-0002008. \$106,996. 4/1/00 - 3/31/04. Collaborative with J. Faulds (University of Nevada at Reno) and E. Duebendorfer (northern Arizona University) co-PIs.
- Travel grant from International Programs, University of Arizona. Partial support for travel to the Geological Society of America Penrose conference on "Mid-Cretaceous to Recent Plate Boundary Processes in the Southwest Pacific", March 25-30, 1999. Arthurs Pass, South Island, New Zealand, \$700.
- Tracking the West Antarctic rift flank, National Science Foundation, Polar Programs. OPP-9615294. \$465,000. 7/1/98 - 8/31/04. (S.L. Baldwin, co-PI).
- Travel grant from International Programs, University of Arizona. Partial support for travel to the Geological Society of America Penrose conference on Exhumation Processes: Normal Faulting, Ductile Flow and Erosion, Crete, October 8-13, 1996, \$500.
- Travel grant from International Programs, University of Arizona. Partial support for travel to the Seventh International Symposium on Antarctic Earth Sciences, Siena, Italy, September 10-15, 1995. \$500.
- Upgrade of mineral separation laboratory and thermochronology research facilities, National Science Foundation, Instrumentation and Facilities. EAR9508075. \$30,000. University of Arizona matching funds \$29,980. (S.L. Baldwin, Co-PI).
- Center for Thermochronology and Noble Gas Studies at the University of Arizona, W. M. Keck Foundation \$300,000, University of Arizona matching funds \$40,000. (S.L. Baldwin, T. Swindle, M. Zreda Co-PIs).
- Uplift and exhumation of the axial zone in the Pyrenean Orogen, Spain, National Science Foundation, Tectonics. EAR 95-06454. \$119,999. 1995-99. (P.J. Coney, Co-PI).

Thermochronologic constraints on the formation of the Transantarctic Mountains, Antarctica, National Science Foundation, Polar Programs. OPP 93-16720. 1994-99. \$286,183. (S.L. Baldwin, Co-PI).

"Supplement": Temporal evolution of the Transantarctic Mountains and West Antarctica, National Science Foundation, Polar Programs. \$1952 for travel money for Fitzgerald to attend LIRA (Lithospheric Investigations in the Ross Sea Area) Workshop on Landscape Evolution. Haarlem, The Netherlands, September 28 - October 2, 1992.

Temporal evolution of the Transantarctic Mountains and West Antarctica, National Science Foundation, Polar Programs. DPP 91-17441. \$175,003. 1992-94. (E. Stump, Co-PI).

Uplift history of the Transantarctic Mountains in northern Victoria Land, National Science Foundation, Polar Programs. DPP 90-17763. \$176,714. 1991-94. (E. Stump, Co-PI).

Uplift history of the central Alaska Range, National Science Foundation, Polar Programs, DPP 88-21937. \$99,259. 1989-91. (E. Stump, Co-PI).

Uplift history of the Ellsworth Mountains, Antarctica, National Science Foundation, Polar Programs. DPP 88-16655. \$117,685. 1989-91. (E. Stump, Co-PI).

British Antarctic Survey travel grant to the Fifth International Symposium on Antarctic Earth Sciences, Cambridge, England, August 24-30, 1987. US\$500.

Five seasons of support for fieldwork in Antarctica as part of Victoria University of Wellington Antarctic Expeditions, including support as the only New Zealand field-party in the U.S. Beardmore Glacier Expedition 1985-86. Priceless.

Science Strategy Experience

- Science Strategy Manager, Antarctica New Zealand (1997-98)
- Co-Convenor, "Antarctic Science Beyond 2000: A Strategic Science Directions Workshop" – a multidisciplinary workshop to plan future science themes and directions for New Zealand science in Antarctica, April 16-18, 1997.
- Editor, "Antarctic Science Beyond 2000" – workshop report, 133 pp.
- Leader, lead writer and compiler of: "Antarctic Science Beyond 2000" A New Zealand Strategy for Antarctic Science.
- Management of the 1997 New Zealand Antarctic bidding round. This included complete rewriting of the application forms and guidelines, selection of the review panel and referees, management of the panel meeting, notification and negotiation with the applicants regarding the outcome of their proposals.
- New Zealand Delegate to the 1997 Antarctic Treaty Consultative Meeting.
- Keynote speaker, workshop on the History of the Antarctic Ice Sheet, 1997.
- Participant at a workshop to define the future direction of ANTOSTRAT (Antarctic Offshore Acoustic Stratigraphy and Seismic Project) and to prepare a strategy for submission to SCAR (Scientific Committee on Antarctic Research), 1997.
- Keynote speaker and participant at the US Planning Workshop on Science Objectives and requirements on "Stratigraphic Drilling in Antarctica - the Cape Roberts Project", 1994.
- Invited speaker and participant at a workshop on planning for future geological research in the Ellsworth Mountains of Antarctica, 1994.

- Keynote speaker and participant at a workshop to review the Geodynamic Evolution of the Transantarctic Mountains and West Antarctic Rift System and to determine future research directions, 1994.

Conference Participation.

- 2020 ICDP Workshop, Cornell University, Ithaca NY, January 8-9, 2020
- 2019 Geological Society of America Annual Meeting Phoenix AZ Sept 22-25, 2019. First author on one talk, co-author on another.
- 2019 Mineralogical Society of America Centennial Symposium, Carnegie Institution for Science, Washington, DC, USA, June 20-21, 2019
- 2018 American Geophysical Union Annual Fall Meeting, Washington DC, Dec 10-14, First author on one oral presentation, co-author on two others (one invited)
- 2018 Geological Society of America 2018 Annual Meeting in Indianapolis, Indiana, Washington. November 4-7, First author on one talk, co-author on another two (one invited).
- 2018 Thermo2018, Quedlinburg Germany, September 17-21st: First author on one presentation, co-author on another.
- 2018 Geological Society of America Northeastern Section Meeting, Burlington, Vermont, March 18-20, 2018, co-author on 2 student papers
- 2017 Geological Society of America 2017 Annual Meeting in Seattle, Washington. 22-25 October 2017, First author on one talk.
- 2017 12th International Eclogite Conference, Åre, Sweden, August 20-29, 2017, first author on one talk, co-author on 1 invited keynote paper.
- 2015 Geological Society of America Annual Meeting, Baltimore, MD. 1-4 November, Lead author on one presentation, co-author on 2 other papers, one invited.
- 2015 International Eclogite conference, Dominican Republic, January 31 – February 7, 2015, Lead author on one presentation, co-author on 1 invited paper.
- 2014 Geological Society of America Annual Meeting, Vancouver, Canada. 19-22 October. Lead author on one presentation, co-author on 2 other papers, one invited.
- 2014 Thermo2014, 14th International Conference on Thermochronology, Chamonix-Mont Blanc, France, 8-14 September. Lead author on one presentation, co-author on 2 other papers.
- 2013 American Geophysical Union Fall Meeting, San Francisco December 9-13, lead author on 1 presentation, co-author on 3 other papers, one invited. Co-convenor of session T033 on “The development, advancement and application of integrated thermochronology in Earth Science thermochronology”, with Rod Brown and David Foster.
- 2013 Geological Society of America Annual Meeting, Denver Colorado, October 27-30. Co-author on 2 presentations
- 2012 American Geophysical Union Fall Meeting, San Francisco, December 3-7, lead author on one presentation, co-author on 2 other papers, one invited.
- 2012 Geological Society of America Annual Meeting, Charlotte, North Carolina, November 4-7, presenting author on one presentation, co-author on 2 other papers. Co-convenor of session T176 on Large-Scale Strike-Slip Fault Systems: Insights into 4-D Evolution through Lateral and Vertical Juxtaposition Recorded in the Rock Record, Geophysical Imaging, and Associated Basin Formation via Large-Scale Translation and Transpression (co-sponsored by GSA Structural Geology and Tectonics Division; GSA Geophysics Division; GSA Sedimentary Geology Division) with S.M. Roeske and J.A. Benowitz.
- 2012 Kaufman INSTOC Symposium. What happens when continents explode: Ignimbrite flare ups and ore deposits. September 8, Cornell University NY.

- 2012 Geochron database (geochron.org) workshop on data reporting for fission track thermochronology/geochronology (invited), University of Kansas, Lawrence KS, April 27.
- 2012 Papua New Guinea Continental Dynamics Project Meeting, “*Collaborative Research: How Is Rifting Exhuming the Youngest HP/UHP Rocks on Earth?*”, May 7-8, 2012, . Lamont Doherty Earth Observatory, Palisades, NY. One presentation, co-author on 7 other presentations.
- 2011 Geological Society of America Annual Meeting, Minneapolis, Minnesota, October October 9-12, lead author on one presentation, co-author on 5 other papers (one invited).
- 2011 Goldschmidt2011, Prague, Czech Republic, August 14-19, lead author on one presentation.
- 2011 AGAP (Antarctica’s Gamburstsev Province) Workshop, May 5-6, Lamont Doherty Earth Observatory, Palisades, NY, invited speaker.
- 2010 American Geophysical Union Fall Meeting, San Francisco, December 14-18, lead author on one presentation, co-author on 5 other papers.
- 2010 National Science Foundation supported GeoPRISMS Implementation Workshop: Rift Initiation and Evolution. Santa Fee, New Mexico, November 4-6, 2010.
- 2010 Geological Society of America Annual Meeting, Denver Colorado, October October 31 – November 3, co-author on 1 paper.
- 2010 12th International Conference on Thermochronology, Glasgow, Scotland. August 16-20, 2010. **Invited keynote speaker**, lead author on 2 other presentations, co-author on 3 other presentations.
- 2009 American Geophysical Union Fall Meeting, San Francisco, December 14-18, co-author on 4 papers.
- 2009 Papua New Guinea Continental Dynamics project “*How Is Rifting Exhuming the Youngest HP/UHP Rocks on Earth*” group meeting, Christian Brothers Retreat and Conference Center, Napa, California, December 12-13, co-convenor, 1 presentation
- 2009 Geological Society of America Annual Meeting, Portland, Oregon, 17-20 October, co-author on invited paper, co-author on 1 other paper
- 2009 ESF Topo-Europe Eurocores Project: Coupled climatic/tectonic forcing of European topography revealed through thermochronometry – Thermo-Europe; ESF/IGCP Summer school on modelling thermochronology data, September 20-23, 2003, Aussois, southeast France. Senior participant.
- 2009 First International Antarctic Climate Evolution Conference, Granada, Spain September 7-11, 2009, **invited keynote speaker**.
- 2008 American Geophysical Union Fall Meeting, San Francisco, December 10-14, one paper presented, co-author on 5 papers, co-convenor on scientific session.
- 2008 Geological Society of America Annual Meeting, Houston, Texas, 5-9 October, co-author on invited paper.
- 2008 11th International Conference on Thermochronometry, 15-19 September, Anchorage Alaska, Scientific Steering Committee, two papers presented, co-author on 5 other papers. On organizing committee for conference.
- 2007 American Geophysical Union Fall Meeting, San Francisco, December 10-14, one paper presented, co-author on 2 papers.
- 2007 Geological Society of America Annual Meeting, Denver, Colorado, 28-31 October, co-author on two papers.
- 2007 10th International Symposium on Antarctic Earth Sciences, Santa Barbara, California, August 27-31, 2007. Organizing Committee, 2 papers presented, co-author on one other.
- 2006 Geological Society of America Annual Meeting, Philadelphia, October 22-25, 2006. Paper presented, co-author on an invited talk.
- 2006 16th Annual V.M. Golschmidt Conference on Geochemistry, Melbourne, Australia, August 27th - September, 1, 2006. Paper presented, co-author on an invited talk.

- 2005 American Geophysical Union Fall Meeting, San Francisco, December 5-9, co-author on 2 papers.
- 2005 Geological Society of America Annual Meeting, Salt Lake City, October 16-19, 2005.. Paper presented, co-author on two other presentations
- 2004 American Geophysical Union Fall Meeting, San Francisco, December 13-17, co-author on 4 papers.
- 2004 32nd International Geological Congress, Florence Italy, August 20-28, 2004. Paper presented, co-author on another presentation.
- 2004 10th International Fission Track Conference, August 8-13, Amsterdam, The Netherlands. Two papers presented, co-author on two other presentations.
- 2004 Thermal Processes in the context of Earthscope. Salt Lake City, Utah, March 18-20, 2004. **Invited keynote speaker.**
- 2003 Geological Society of America Annual Meeting, Seattle, November 2-5, 2003. Paper presented, co-author on three other presentations.
- 2003 Ninth International Symposium on Antarctic Earth Sciences, Potsdam Germany. September 8-12, 2003. Two papers presented, one poster.
- 2002 Goldschmidt 2002 and 10th International Conference on Geochronology, Cosmochronology and Isotope Geology, Davos, Switzerland, August 18th – August 23rd. Paper presented. Fitzgerald, P.G., S. L. Baldwin, K. A. Farley, L. Hedges, P. B. O’Sullivan, L. E. Webb, 2002. Constraining landscape evolution of the West Antarctic rift flank of southern Victoria Land.
- 2001 Geological Society of America Annual Meeting, November 2001- Boston - Paper given: Fitzgerald, P.G., S. L. Baldwin, K. A. Farley, L. Hedges, P. B. O’Sullivan, L. E. Webb, 2001, Exhumation of apatite He partial retention zones: An example from the Transantarctic Mountains and implications for (U-Th)/He dating of apatites.
- 2001 Antarctic Neotectonics workshop, Ceresa di Pontignano (Siena, Italy), July 11-15th, 2001, **Invited keynote talk:** Uplift of the Transantarctic Mountains: Implications for Antarctic Neotectonics.
- 2000 American Geophysical Union Fall Meeting, San Francisco, December 14-19, 1 paper presented, co-author on 2 others.
- 2000 Penrose Conference on Geological Processes at rifted volcanic margins, Royal Holloway, University of London, March 28-29, 2000, **invited keynote speaker.**
- 2000 Fission Track 2000, 9th International Conference of Fission Track Dating and Thermochronology, 6-11 February 2000, Lorne, Victoria, Australia, 1 paper presented.
- 1999 8th International Symposium on Antarctic Earth Sciences, Wellington, New Zealand, July 5-9, **invited plenary speaker** “Nature and evolution of the Antarctic Landscape since Gondwana breakup”.
- 1999 Penrose Conference on “Mid-Cretaceous to Recent Plate Boundary Processes in the Southwest Pacific”. March 25-30, Arthurs Pass, South Island, New Zealand, invited participant.
- 1998 American Geophysical Union Fall Meeting, San Francisco, December 4-10, 1 paper presented, co-author on 2 others.
- 1998 9th Workshop of the ILP Task Force, Tectonic Geomorphology and Sedimentary Basin Dynamics, Ollana, Spain, September 26th–October 2nd 1998, 1 talk.
- 1998 International School, Certosa di Pontignano (Siena) Italy, workshop on “Geological Records of Global and Planetary Changes”, **invited lecturer** on “Cretaceous - Cenozoic paleogeography and plate tectonics of the southern hemisphere”, April 14-18, 1998.

- 1997 ANTOSTRAT (Antarctic Offshore Acoustic Stratigraphy and Seismic Project) Workshop on Antarctic Late Phanerozoic Earth System Science, July 6-13, Hobart, Tasmania, Australia.
- 1997 Antarctic Treaty Consultative Meeting, Christchurch New Zealand, May 18-30, New Zealand Delegate.
- 1997 "Antarctic Science Beyond 2000": Workshop on future directions in Antarctic science, Christchurch New Zealand, April 16-18, Co-convenor.
- 1997 History of the Antarctic Ice Sheet Workshop, Victoria University of Wellington, April 10, *invited keynote speaker*, 2 presentations.
- 1996 American Geophysical Union Fall Meeting, San Francisco, December 14-19, 1996, 1 paper presented.
- 1996 Penrose Conference on "Exhumation processes: Normal faulting, ductile flow and erosion". October 9-13, Crete, *invited keynote speaker*, 1 invited talk, 1 poster.
- 1996 LIRA (Lithospheric Investigations in the Ross Sea Area) workshop on "Backside of the Transantarctic Mountains". Hannover, Germany, September 2-6, *invited participant*, 2 presentations.
- 1996 International Workshop on Fission-Track Dating, Gent, Belgium, August 26-30, 2 presentations (1 talk, 1 poster).
- 1995 Seventh International Symposium on Antarctic Earth Sciences, Siena, Italy, September 10-15, 1995, invited speaker, 3 presentations.
- 1995 Geological Society of America; Cordilleran Section Meeting, Fairbanks, Alaska, May 24-26, *invited speaker, special symposium honoring C. Wahrhaftig*.
- 1995 Workshop on Pliocene Antarctic Glaciation, Woods Hole Oceanographic Institute, April 19-21, 1995, *invited speaker*.
- 1994 Eighth International Conference on Geochronology, Cosmochronology and Isotope Geology, Institute of Human Origins, Berkeley California, June 5-11, 1994, poster presented.
- 1994 Workshop on the Geodynamic Evolution of the Transantarctic Mountains, and West Antarctic Rift System, Rocky Mountain National Park, Colorado, April 20-23, 1994, *invited keynote speaker*.
- 1994 Workshop on the Ellsworth Mountains, Maclaster College, March 25-27, 1994, *invited speaker*.
- 1994 Workshop on Stratigraphic Drilling in Antarctica "Cape Roberts Project". Byrd Polar Research Center, Ohio State University, March 6-7, 1994, *invited keynote speaker*.
- 1992 LIRA (Lithospheric Investigations in the Ross Sea Area) Workshop on Landscape Evolution. Haarlem, The Netherlands, September 28 - October 2, 1992, *invited keynote speaker*.
- 1992 7th International Fission Track Dating Workshop held in Philadelphia, July 13-17, 1992, 2 papers given.
- 1991 Sixth International Symposium on Antarctic Earth Sciences, Saitama, Japan, 9-13 September, 2 papers given.
- 1990 Seventh International Conference on Geochronology, Cosmochronology and Isotope Geology, Canberra, Australia, 24-29 September, paper given.
- 1990 Geological Society of America; Cordilleran Section Meeting. Tucson, Arizona, March.
- 1989 12th International Geological Congress, Washington D.C., July 9-19, 1989. *Invited speaker*.

- 1988 Sixth International Workshop on Fission Track Dating, Besancon, France, September 5-9, paper presented.
- 1987 Geological Society of America, Annual Meeting, Phoenix, Arizona, September.
- 1987 Fifth International Symposium on Antarctic Earth Sciences, Cambridge, England, August 24-30, paper presented.
- 1987 Workshop on Australian Antarctic Earth Sciences, Hobart, 11-14 May, 1987, invited speaker.
- 1986 12th International Sedimentological Congress, Canberra, Australia, 24-30 August, 1986.
- 1986 The Transantarctic Mountains, their history and formation, Seminar at Victoria University of Wellington, May 2 1986, invited speaker.
- 1985 Sixth International Gondwana Symposium, Ohio State University, August 1985, paper presented.
- 1985 Workshop on Cenozoic Geology of the Southern High Latitudes, Institute of Polar Studies, Ohio State University, August 1985, paper presented.
- 1984 Workshop on fission track analysis: Principles and applications, James Cook University, Townsville, Australia. September 1984, paper presented.

Research and Field Experience

- July-August 2019 NSF funded fieldwork to southern Totschunda Fault, Alaska
- July 2018 NSF funded fieldwork to the eastern Denali fault corner, Alaska Range
- July 2017 NSF funded fieldwork to the eastern Denali fault corner, Alaska Range
- August 2015 NSF funded fieldwork to the far eastern Alaska Range
- June 2015 Fieldwork in Italian western Alps and Corsica (France)
- June 2013 Fieldwork in Italian western Alps
- June 2012 NSF funded fieldwork to the eastern Alaska Range
- June 2010 NSF funded fieldwork to the eastern Alaska Range
- March 2010 NSF funded fieldwork to Woodlark Island and islands north of the D'Entrecasteaux Islands, eastern Papua New Guinea
- January 2009 NSF funded fieldwork in the Louisiades Archipelago region (including Sudest and Rossel Islands) of eastern Papua New Guinea
- June 2008 Fieldwork in central and eastern Alaska Range (KD Nelson Funds).
- January 2008 NSF funded fieldwork in the Milne Bay region (Goodenough, Ferguson and Normanby Islands) of Papua New Guinea
- June 2007 NSF funded fieldwork in the central and west-central Pyrenees
- March 2007 Fieldwork in the central Cyclades region of the Aegean (Syros and Sifnos)
- Jan 2006 NSF funded fieldwork in the Milne Bay region (Goodenough and Ferguson Islands) of Papua New Guinea
- Aug 2004 Fieldwork in the west central Pyrenees, funded by the Spanish Government (Department of Science and Technology through the University of Barcelona)
- Dec 2003 NSF funded fieldwork at Misima Island, Papua New Guinea
- Dec 2002 – Jan 03 NSF funded fieldwork in the Milne Bay region (mainly Normanby Island) of Papua New Guinea
- June 2002 Fieldwork in the central and western Pyrenees, funded by the Spanish Government (Department of Science and Technology through the University of Barcelona)
- Dec 01 – Feb 02 NSF funded expedition to the Reedy Glacier, Transantarctic Mountains, leader
- May 2001: Virgin Mountains of Nevada and White Mountains of NW Arizona
- Dec 00 - Jan 01: NSF funded expedition to the Reedy Glacier, Transantarctic Mountains, leader (fieldwork postponed in the field owing to logistics/weather problems)

- May 2000: White Mountains of NW Arizona, NSF funded
Dec 98 – Jan 99 NSF funded expedition to the Thiel Mountains, Ohio Range, Transantarctic Mountains, leader.
Sept - Oct 98 Southern fold and thrust belt of the Pyrenees, Ebro Basin, Spain.
Oct, 1996 Metamorphic core complexes of the Aegean.
Nov-Dec 95 N.S.F. funded expedition to Shackleton Glacier area, Transantarctic Mountains, leader.
June-July 95 N.S.F. funded fieldwork in the Pyrenees, co-leader.
June-July 94 N.S.F. funded fieldwork in New Caledonia.
Oct 92 – Jan 93 N.S.F. funded expedition to the Heritage Range of Ellsworth Mountains, and nunataks of West Antarctica, leader.
1989-2000 Numerous field trips throughout Arizona and Nevada, principally in the Basin and Range and transition zone.
Oct 91 – Jan 92 N.S.F. funded expedition to northern Victoria Land, Antarctica, leader.
Oct – Dec 1989 N.S.F. funded expedition to the Sentinel Range of the Ellsworth Mountains, West Antarctica, including collection of a 12,000' vertical profile from the summit of the Vinson Massif to the Nimitz Glacier, co-leader.
May – July 1989 N.S.F. funded expedition to the central Alaska Range, including collection of a 18,000' vertical profile from the summit of Mt. McKinley to the lower Kahiltna Glacier, PI and Leader
Oct – Dec 1987 N.S.F. funded expedition to the Scott Glacier area of the Transantarctic Mountains for continued studies on the uplift history and tectonics of the mountains.
Nov – Dec 1985 VUWAE 30. Geologist, Event and Field Leader. Collection of samples for an uplift study of the Transantarctic Mountains. Based out of the U.S. deep field camp in the Beardmore Glacier area.
Dec 84 – Jan 85 VUWAE 29. Geologist, Event and Field Leader. Snow-mobile field party. Mapping and sampling in the New Harbour area and Blue Glacier for Ph.D. studies.
Oct 83 – Jan 84 VUWAE 28. Geologist, Event and Field Leader. Snow-mobile field party. Mapping and sampling in Granite Harbour, Wilson Piedmont, and Ferrar Glacier areas of southern Victoria Land for Ph.D. studies. Responsible for safety and movement of personnel and vehicles on sea-ice and glaciers.
March - May 83 University of Melbourne. Research Assistant. Fission track dating study of the uplift of southeastern Australia.
Nov 82 - Mar 83 Amoco Minerals (NZ) Ltd. Geologist. Gold exploration involving detailed geologic mapping of volcanic rocks in the Coromandel Peninsula.
Oct – Dec 1981 VUWAE 26. Geologist and Field Assistant. Honours research on the Feather Conglomerate. Assistant to Dr. A.J.W. Gleadow for collection of samples for fission track work in the Transantarctic Mountains. Continued work on sea-floor sediment sampling and instructing on survival course (occasional).
Oct – Dec 1980 - Victoria University of Wellington Antarctic Expedition (VUWAE) 25. Field assistant. Collection of sea-floor sediments from McMurdo Sound through holes in the sea-ice. Description of Beacon Sandstone and collection of paleocurrent data.

Professional Affiliations (Memberships)

- Geological Society of America (Fellow, 2005)
- American Geophysical Union
- New Zealand Antarctic Society
- The Antarctic Society
- Geoscience Society of New Zealand
- Central New York Association of Professional Geologists
- Geochemical Society

Editorial work

Co-editor for " Antarctica: A keystone in a Changing World - Proceedings of the 10th ISAES, edited by A. K. Cooper and C. R. Raymond et al., USGS Open-File Report 2007-1047.

Editorial Advisory Board: Antarctic Science, 2015 -

Appendix: Abstracts

- Gonzalez, J., Baldwin, S., Thomas, J. B., Nachlas, W. O., & Fitzgerald, P. G. (2019, December). First Discovery of Coesite in the Appalachians: Characterization of Prograde Metamorphism in a Taconic Metapelite. In *AGU Fall Meeting 2019*. AGU.
- Fitzgerald, P.G., T.S. Warfel, J.A. Benowitz, K.D. Ridgway, W. Allen, R.J. Gillis and P.B. O’Sullivan (2019). Exhumation west of the eastern Denali Fault-Totschunda Fault “freeway junction” in south-central Alaska: Temporal and spatial patterns addressing the relative importance of terrane rheology vs fault geometry. Geological Society of America Annual Meeting Phoenix AZ Sept 22-25, 2019. *GSA Abstracts with Programs*. Vol. 51, No. 5 doi: 10.1130/abs/2019AM-33848.
- Benowitz, J.A., W. Allen, J.H.F.L. Davies, P.G. Fitzgerald, R.J. Gillis, T.J. Porter, G.A. Otiniano and K.D. Ridgway (2019). Palynology and tephrochronology: An Oligocene (~26 Ma) to Pliocene (~3.8 Ma) record of flora change from the eastern Alaska Range framed by high precision radiometric dates of neighboring tephra layers. Geological Society of America Annual Meeting Phoenix AZ Sept 22-25, 2019. *GSA Abstracts with Programs*. Vol. 51, No. 5 doi: 10.1130/abs/2019AM-339883
- Fitzgerald, P.G. and J.W. Goodge, 2019. Origin of central East Antarctica igneous crust and its exhumation history: isotopic and low-temperature thermochronologic constraints. XIII International Symposium on Antarctic Earth Sciences. 22-26 July 2019, Songdo Convensia, Incheon, Republic of Korea. *Invited keynote presentation*.
- Fitzgerald, P.G., T.S. Warfel, J.A. Benowitz, K. Ridgway, W. Allen and P.B. O’Sullivan, 2018. Exhumation along the Southern Side of the Eastern Denali Fault of South-Central Alaska: Evaluating the Importance of Fault Geometry vs Terrane Rheology. American Geophysical Union Annual Meeting Washington D.C., December 10-14 2018. Talk T53A-02B.
- Gonzalez, J.P., Baldwin, S.L., Thomas, J.B., Fitzgerald, P.G., Webb, L.E., Kim, J.J., Dec 2018, Peak pressure-temperature-time estimates for Taconic orogen high-pressure rocks, Tillotson Peak Complex, Vermont. American Geophysical Union Annual Meeting Washington D.C., December 9-14 2018. Talk V23B-07
- Baldwin, S.L., P.G. Fitzgerald, L.E. Webb, M.G. Malusà, R. Moucha, 2018. How to make and exhume (U)HP terranes: insights from southeastern Papua New Guinea American Geophysical Union Annual Meeting Washington D.C., December 9-14 2018. Talk (Invited) V23B-08:
- Allen, W.K., K.D. Ridgway, J.A. Benowitz, C. Fasulo, B. Keough, T.S. Warfel, P.G. Fitzgerald, R.J. Gillis and J.M. Trop, 2018. Cenozoic basin development and strike-slip displacement along the Denali fault system, Eastern Alaska Range, Alaska: A provenance approach. Geological Society of America Annual Meeting Indianapolis IN, Nov 4-7 2018. *Geological Society of America Abstracts with Programs*. Vol. 50, No. 6, ISSN 0016-7592 doi: 10.1130/abs/2018AM-322519
- Fitzgerald, P.G., T.S. Warfel; M.G. Malusà, J.A. Muñoz, J.A. Benowitz, K.D. Ridgway and W. Allen, 2018. Coble thermochronology and its application to constraining hinterland exhumation: Lessons learnt from the Pyrenees and south-central Alaska. Geological Society of America Annual Meeting Indianapolis IN, Nov 4-7 2018. *Geological Society of America Abstracts with Programs*. Vol. 50, No. 6, ISSN 0016-7592 doi: 10.1130/abs/2018AM-322617
- Baldwin, S.L., P.G. Fitzgerald, M.G. Malusà and J.P. Gonzalez, 2018. The geodynamics of high and ultra-high pressure terranes from integrated thermochronologic and petrologic

- investigations. 16th International Conference on Thermochronology, 16-21 September 2018, Palais Salfeldt, Quedlinburg (Germany).
- Fitzgerald, P.G., M.G. Malusà, J.A. Muñoz, T.S. Warfel, J.A. Benowitz, K.D. Ridgway and W. Allen, Cobble thermochronology, 2018. 16th International Conference on Thermochronology, 16-21 September 2018, Palais Salfeldt, Quedlinburg (Germany).
- Malusà, M.G., J. Liao, L. Zhao, S.L. Baldwin, P.G. Fitzgerald and T. Gerya, 2018. Divergent plate motion drives rapid exhumation of (ultra)high pressure rocks. *Geophysical Research Abstracts v. 20, EGU2018-6634*.
- Shorten, C.S., P.G. Fitzgerald, 2018. Post-orogenic exhumation of the Northern Appalachian Basin and Timing of Hydrocarbon Generation: Low-Temperature Thermochronological Constraints from New York and Pennsylvania. AAPG (American Association of Petroleum Geologists) 2018 Annual Convention & Exhibition, Salt Lake City, Utah, May 20-23, 2018.
- Shorten, C.S., P.G. Fitzgerald, 2018. Post-orogenic thermal history and exhumation of the Appalachian landscape: Low-temperature thermochronologic constraints from the Northern Appalachian Basin and the Catskills. Geological Society of America Northeastern Section Meeting, Burlington, Vermont, March 18-20, 2018.
- Warfel, T.S., P.G. Fitzgerald, J.A. Benowitz, K.D. Ridgway and W.A. Allen, 2018. Low-temperature thermochronology constraints on exhumation along and across the east-central Denali Fault, Alaska. Geological Society of America Northeastern Section Meeting, Burlington, Vermont, March 18-20, 2018.
- Warfel, T.S., P.G. Fitzgerald, J.A. Benowitz, K.D. Ridgway and W.A. Allen, 2017. Applying low-temperature thermochronology to constrain exhumation patterns along the eastern Denali fault corner, Alaska. Abstract T23C-0618. American Geophysical Union Annual Meeting, New Orleans, 11-15 December, 2017.
- Fitzgerald, P.G., J.A. Benowitz, K.D. Ridgway, T.S. Warfel and W.K. Allen, 2017. The role of terrane rheology vs fault geometry for mountain formation and exhumation along the Denali fault of south-central Alaska. Geological Society of America Abstracts with Programs. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-305797
- Fitzgerald, P.G., Baldwin, S.L., Bermúdez, Webb. L.E., Little, T.A., Miller, S.R., Malusà, M.G. and D. Seward, 2017. Rift-triggered exhumation of eclogite-bearing gneiss domes in eastern Papua New Guinea: Geologic and thermochronologic constraints. 12th International Eclogite Conference, Åre, Sweden, August 20-29, 2017.
- Baldwin, S.L., M.G. Malusà and P.G. Fitzgerald, 2017. Geochemical kinetics and the geodynamics of (U)HP terranes, 12th International Eclogite Conference, High- and ultrahigh-pressure rocks keys to lithosphere dynamics through geologic time, Åre, Sweden, August 20-29, 2017, p. 8. (*invited keynote*)
- Shorten, C.S., P.G. Fitzgerald, 2017. Post-orogenic thermal history and exhumation of the Northern Appalachian Basin constrained through low-temperature thermochronology. Geological Society of America Joint Northeastern & North-Central Section Meeting, Pittsburgh, Pennsylvania, March 19-21, 2017.
- Lossada, A.C., D. Mardónez, J. Suriano, G.D. Hoke, P.G. Fitzgerald, J.D. Mahoney, L. Giambiagi and E. Aragon, 2015. Uplift sequence of the main morphostructural units of the south central Andes at 30°S: Insights from a multidisciplinary approach. American Geophysical Union Fall Meeting, San Francisco December 14-18, 2015. Presentation # T23A-2931
- Baldwin, S.L., M.G. Malusa, P.G. Fitzgerald and L.E. Webb, 2015. Deciphering the 4D evolution of Cenozoic (U)HP terranes. Geological Society of America *Abstracts with Programs*. Vol. 47(7), p. 168, Abstract # 266053.
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- Terhune, P., J. Benowitz, T.S. Waldien, W.K. Allen, K.N. Davis, K.D. Ridgway, S.M. Roeske, P.G. Fitzgerald, M.E. Brueseke and P.B. O'Sullivan, 2015. Geochronological framework for the Cenozoic history of the southern Alaska fold and thrust belt. Geological Society of America Cordilleran Meeting, Anchorage, Alaska 11-13 May, 2015. Geological Society of America *Abstracts with Programs*. Vol. 47(4), p.60.
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- Baldwin, S.L., P.G. Fitzgerald, L.E. Webb, M.G. Malusà 2015, The (U)HP terrane of eastern Papua New Guinea: a modern analogue for (U)HP terranes globally, XI International Eclogite Conference Dominican Republic, January 31 - February 7
- Benowitz, J.A., S. Roeske, J.M. Trop, M. Davis, P.G. Fitzgerald, R.J. Gillis, P. A. Armstrong, P. Layer and P.B O'Sullivan, 2014, The role of pre-existing structures on the inboard upper plate response to flat slab subduction of a buoyant high: Yakutat microplate, southern Alaska. Geological Society of America Annual Meeting, Vancouver, British Columbia (19–22 October 2014), Abstract # 248981.
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- Thermochronology, Chamonix-Mont Blanc, France, 8-14 September 2014.
- Beamud, E., J. A. Munoz, M. Garcés, P.G. Fitzgerald and L. Cabrera, 2014. Kinematic evolution of an intracontinental convergent orogen from the analysis of syntectonic sediments in piggy-back basins. Application to the South-Central Pyrenees. EGU General Assembly 2014, held 27 April - 2 May, 2014 in Vienna, Austria, id.7165
- Benowitz, J.A., P.W. Layer, P.B. O Sullivan, P.G. Fitzgerald and S. Roeske, 2013. Multi-mineral detrital geochronology applied to a glaciated strike-slip fault system: A case study along a ~250 km transect of the Denali Fault, Alaska. American Geophysical Union Fall Meeting, San Francisco December 9-13, 2013. Presentation EP24A-06.
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- Baldwin, S.L., R. Moucha, P.G. Fitzgerald, G.D. Hoke, M.A. Bermudez, L.E. Webb, J. Braun, D.B. Rowley, N. Insel, G.A. Abers, L.M. Wallace and J.D. Vervoort, 2013. Linking mantle dynamics, plate tectonics and surface processes in the active plate boundary zones of eastern New Guinea. American Geophysical Union Fall Meeting, San Francisco December 9-13, 2013. Presentation T44C-01 (invited).
- Beamud, E., J. Muñoz, M. Garces, P.G. Fitzgerald, L. Cabrera and O. Fernandez, 2013. Paleomagnetism and thermochronology of synorogenic materials of the South-Central Pyrenees: kinematic evolution of an intracontinental convergent orogeny, American Geophysical Union Fall Meeting, San Francisco December 9-13, 2013. Presentation GP12A-08.
- Benowitz, J.A., S. Roeske, R.B. Cole, P.W. Layer, P.G. Fitzgerald, P.J. Haeussler, P.A. Armstrong and P.B O'Sullivan, 2013. An inboard perspective of the Cenozoic tectono-magmatic history of Alaska's southern convergent margin. Geological Society of America Annual Meeting, Denver Colorado, October 27-30. Paper No. 56-7.
- Milde, E.R., P.G. Fitzgerald and J.A Benowitz, 2013. Applying low-temperature thermochronology to constrain the tectonic history of the strike-slip Totschunda fault system, southeastern Alaska. Geological Society of America Annual Meeting, Denver Colorado, October 27-30. Paper No. 55-2.
- Andò, S., Malusà, M.G., Baldwin, S.L., Fitzgerald, P.G., Aliatis, I., Vezzoli, G. and E. Garzanti, 2013, Raman spectroscopy of detrital garnet and the exhumation of high-pressure rocks (Papua New Guinea), European Geosciences Union General Assembly 7-12 April, 2013, Vienna, Austria.
- Fitzgerald, P.G., Baldwin, S.L., Bermudez, M.A., Miller, S.R., Webb, L.E. and T.A. Little, 2012. Low-temperature thermochronologic constraints on cooling and exhumation trends along conjugate margins, within core complexes and eclogite-bearing gneiss domes of the Woodlark rift system of eastern Papua New Guinea. Abstract T43E-2717 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Baldwin, S.L., Fitzgerald, P.G., Bermudez, M.A., Webb, L.E., Moucha, R., Miller, S.R., Catalano and N.A. Zirkparvar, 2012. Linking deep earth to surface processes in the Woodlark Rift of Papua New Guinea: a framework for understanding (U)HP exhumation globally (invited). Abstract T12A-04 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Bermúdez, M.A., Baldwin, S.L. Fitzgerald, P.G., Braun, J., Webb, L.E. and T.A. Little, 2012, Understanding the thermal history, exhumation patterns, and role of fault systems on Goodenough Island, Papua New Guinea: Insights from 3D thermo-kinematic modeling. Abstract T43E-2718 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Perry, S.E., Fitzgerald, P.G. and J.A. Benowitz, 2012. Thermochronologic constraints on Miocene topographic development of the central Alaska Range south of the Denali fault within the McKinley restraining bend. Geological Society of America Annual Meeting Nov 4-7, Charlotte, NC.

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- Little, T.A., Hacker, B., Ellis, S., Gordon, S., Wallace, L., Baldwin, S.L., Korchinski, M. and P.G. Fitzgerald, 2012. Post-Collisional Exhumation of the world's youngest UHP terrane in the Woodlark Rift, Papua New Guinea. 34th International Geological Congress, 5-10 August, Brisbane, Australia.
- Baldwin, S.L., P.G. Fitzgerald, M.A. Bermudez, J. Catalano, N.A. Zirakparvar, L.E. Webb, S. Gordon and T.A. Little, 2012. The magmatic evolution of Goodenough Island: implications for the timing and rates of exhumation in the Late Miocene (U)HP terrane, Woodark Rift, Papua New Guinea. 34th International Geological Congress, 5-10 August, Brisbane, Australia.
- Fitzgerald, P.G., Baldwin, S.L., Bermúdez, M.A., Moucha, R., Miller, S.R., Webb, L.E. and T.A. Little, 2012. Rift-triggered exhumation of eclogite-bearing gneiss domes in eastern Papua New Guinea: Constraints from regional geology and patterns of thermochronologic data. 34th International Geological Congress, 5-10 August, Brisbane, Australia.
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- Fitzgerald, P.G., S. Roeske, J.A. Benowitz, S.E. Perry, S. Riccio and C. Huff. 2011. Topographic and exhumation asymmetry of the Alaska Range relative to the Denali fault: A reflection of lithospheric heterogeneity. Geological Society of America Annual Meeting Minneapolis, MN, 9-12 October, GSA Abstracts with Programs, Vol. 43, No. 5, Presentation 230-4.
- Benowitz, J.A., P.A. Armstrong, P.G. Fitzgerald, P.J. Haeussler, P.W. Layer, P. O'Sullivan, S.E. Perry, S. Riccio, S.M. Roeske, 2011. The topographically asymmetrical Alaska Range: Multiple drivers through space and time. Geological Society of America Annual Meeting Minneapolis, MN 9-12 October, GSA Abstracts with Programs, Vol. 43, No. 5, Presentation 230-5.

- Roeske, S.M., J.A. Benowitz, C. Huff, S. Riccio, P.G. Fitzgerald, S.E. Perry, and P.W. Layer, 2011. Variable strain partitioning with depth along the dextral Denali fault in the eastern Alaska Range. Geological Society of America Annual Meeting Minneapolis, MN 9-12 October, GSA Abstracts with Programs, Vol. 43, No. 5, Presentation 128-9.
- Baldwin, S.L., P.G. Fitzgerald and L.E. Webb, 2011. Subduction, obduction and slab graveyards in the New Guinea region. Geological Society of America Annual Meeting Minneapolis 9-12 October, Abstracts with Programs, Vol. , No. , p.
- Riccio, S., P.G. Fitzgerald, J.A. Benowitz and S. Roeske. 2011. Apatite (U-Th)/He dating of the Sustina Glacier thrust fault region, eastern Alaska Range, AK. Geological Society of America Annual Meeting Minneapolis 9-12 October, Abstracts with Programs, Vol. 43, No. 5, Presentation 177-3.
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Graduate Students

Scott Miller (MS), Jessica Spratt (MS), Simon Kline (MS), Erika Schwabe (PhD), Josh Taylor (MS and PhD), Emily Feinberg (MS), Stephanie Perry (PhD), Steve Riccio (MS), Ed Milde (MS), Chilisa Shorten (PhD), Thomas Warfel (MS), Jacob Rosenthal (PhD)