

Curriculum Vitae – BESIM DRAGOVIC

EDUCATION

- 2013 Ph.D., Earth Sciences – Boston University, Boston, MA
Dissertation: *Constraining the rates and timescales of garnet growth and associated dehydration during metamorphism*
Advisor: Ethan F. Baxter
- 2003 M.S., Geological Sciences – University of Connecticut, Storrs, CT
Thesis: *Distribution of plagioclase phenocrysts in the Holyoke flood basalt, CT*
Advisor: Anthony R. Philpotts
- 1999 B.A., Earth Sciences – Boston University, Boston, MA

CURRENT AND PAST APPOINTMENTS

- 2016-present Postdoctoral Research Associate, Boise State University
- 2016-present Adjunct Research Faculty, Virginia Polytechnic Institute and State University
- 2013-2016 Postdoctoral Associate, Virginia Polytechnic Institute and State University
- 2007-2012 Research and Teaching Assistant, Boston University
- 2012 Instructor, ES 101 *The Dynamic Earth*, Boston University, Summer I
- 2011 Visiting Scholar, Swiss Federal Institute of Technology (ETH) Zurich, April-June
- 2002-2007 Cement and Concrete Microscopist/Chemist, W.R. Grace & Co., Cambridge, MA

AWARDS AND HONORS

- 2013 Best Graduate Student Poster/Presentation, National Science Foundation (NSF) GeoPRISMS New Zealand Planning Workshop, Wellington, New Zealand
- 2011 American Geophysical Union (AGU) Outstanding Student Paper, Union Section, Fall Meeting, San Francisco, CA
- 2008 Best Graduate Student Talk, Boston University Dept. of Earth Sciences student seminar series

RESEARCH AWARDS

- Penniston-Dorland, S.C., van Keken, P., Wada, I., **Dragovic, B.** Collaborative Research: Constraining the thermal conditions of the subduction interface by integrating petrology and geodynamics. NSF-EAR GeoPRISMS. \$99,324 (\$396,291 total) awarded. 2019.
- Kohn, M.J. (PI, Boise State University), Penniston-Dorland, S.C. (co-PI, University of Maryland) & Feineman, M. (co-PI, Pennsylvania State University), 8 additional senior personnel at 7 U.S. institutions. NSF-OIA 1545903. NSF Partnerships for International Research & Education. “*PIRE: ExTerra Field Institute and Research Endeavor (E-FIRE)*.” **Senior post-doctoral scholar and contributing grant writer**, ~ \$4.0m awarded. 2015.
- Caddick, M.J., **Dragovic, B.** NSF-EAR 1447568. Durations and rates of high temperature metamorphism during Archean orogenesis: implications for early Earth tectonics. NSF-EAR Petrology and Geochemistry. \$363,761 awarded. 2015.
- Caddick, M.J., **Dragovic, B.** Supplement to NSF-EAR 1447568 for purchase of research instrumentation. NSF-EAR Petrology and Geochemistry. \$21,969 awarded. 2015.
- Caddick, M.J., **Dragovic, B.** Coordinated and drafted the institutional mini-grant awarded by the Institute for Critical Technology and Applied Science at Virginia Tech for method development on measuring lithium stable isotope zonation in garnet using Secondary Ion Mass Spectrometer (SIMS). \$1500 awarded. 2014.

PEER-REVIEWED PUBLICATIONS (underlined denotes mentored student; *denotes undergraduate)

- Penniston-Dorland, S.C., Baumgartner, L.P., **Dragovic, B.**, Bouvier, A-S. *in review*. Stopping crystal clocks: The role of electrons in arresting diffusion of lithium in subduction zone garnets.
- Guevara, V.E., Maclennan, S.A., **Dragovic, B.**, Caddick, M.J., Schoene, B., Kylander-Clark, A.R.C., Couëslan, C.G., *in review*. Polyphase Archean zircon growth during slow cooling from UHT conditions: an example from the Pikwitonei Granulite Domain.
- Nagurney, A., Caddick, M.J., **Dragovic, B.**, Busse, K., *in revision*. The (chemical) potential for understanding overstepped garnet growth.
- Gerrits, A.R., Inglis, E., **Dragovic, B.**, Starr, P.G., Baxter, E.F., Burton, K., *in revision*. Tracing the source of oxidizing fluids in subduction zones using iron isotopes in garnet.
- Dragovic, B.**, Caddick, M.J., *in revision*. Extremely rapid heating at the subduction interface: evidence and consequences.
- *Brooks, H.L., **Dragovic, B.**, Lamadrid, H.M., Caddick, M.J., Bodnar, R., 2019. Fluid capture during exhumation of subducted lithologies: a fluid inclusion study from Sifnos, Greece. *Lithos*, **332-333**, 120-134.
- Dragovic, B.**, Gatewood, M.P., Baxter, E.F., Stowell, H.H., 2018. Fluid production rate during the regional metamorphism of a pelitic schist. *Contributions to Mineralogy and Petrology*, **173**:96, 1-16.
- Cheng, H., Vervoort, J.D., **Dragovic, B.**, Wilford, D., Zhang, L., 2018. Coupled Lu-Hf and Sm-Nd geochronology on a single eclogitic garnet from the Huwan shear zone, China. *Chemical Geology*, **476**, 208-222.
- Guevara, V.E., Caddick, M.J., **Dragovic, B.**, 2017. Rapid high-*T* decompression recorded by Archean granulites in the northern Wyoming Province: insights from petrologic modelling. *Journal of Metamorphic Geology*, **35**, 943-965.
- Baxter, E.F., Caddick, M.J., **Dragovic, B.**, 2017. Garnet – a rock-forming mineral petrochronometer. *Reviews in Mineralogy and Geochemistry*, **83**, 469-533.
- Dragovic, B.**, Guevara, V.E., Caddick, M.J., Baxter, E.F., Kylander-Clark, A.R.C., 2016. A pulse of cryptic granulite-facies metamorphism in the Archean Wyoming Craton revealed by Sm-Nd garnet and U-Pb monazite geochronology. *Precambrian Research*, **283**, 24-49.
- Gatewood, M.G., **Dragovic, B.**, Stowell, H.H., Baxter, E.F., Hirsch, D., Bloom, R., 2015. Evaluating chemical equilibrium in metamorphic rocks using major element and isotopic zoning in garnet. *Chemical Geology*, **401**, 151-168.
- Dragovic, B.**, Baxter, E.F., Caddick, M.J., 2015. Pulsed dehydration and garnet growth during subduction revealed by zoned garnet geochronology and thermodynamic modelling, Sifnos, Greece. *Earth and Planetary Science Letters*, **413**, 111-122.
- Ashley, K. T., Caddick, M.J., Steele-MacInnis, M., Bodnar, R., **Dragovic, B.**, 2014. Geothermobarometric history of subduction recorded by quartz inclusions in garnet. *Geochemistry, Geophysics, Geosystems*, **15**, 350-360.
- Dragovic, B.**, Samanta, L., Baxter, E.F., Selverstone, J., 2012. Using garnet to constrain the duration and rate of water-releasing metamorphic reactions during subduction: An example from Sifnos, Greece. *Chemical Geology*, **314-317**, 9-22.

PUBLICATIONS (OTHER)

- Dragovic, B.**, Starr, P.G., 2017. Report from the Field: E-FIRE: ExTerra Field Institute and Research Endeavor, Western Alps, Summer 2017. GeoPRISMS Fall 2017 Newsletter.
- Dragovic, B.**, Penniston-Dorland, S., Feineman, M., Caddick, M.J., Stowell, H., Tulloch, A., Schwartz, J., Mortimer, N., Barnes, J., Gordon, S., Wada, I., Syracuse, E., Ague, J., Baxter, E., Hacker, B., Bebout, G., 2013. Exterra: Understanding Convergent Margin Processes Through Studies of Exhumed Terranes – GeoPRISMS New Zealand Focus Site. White Paper for NSF GeoPRISMS New Zealand Planning Workshop, Wellington, New Zealand, 2013.

RECENT ABSTRACTS (underlined denotes mentored student; see remainder at end of document)

- Penniston-Dorland, S.C., Baumgartner, L.P., **Dragovic, B.**, Bouvier, A.-S., 2019. Evidence from in situ measurements of $\delta^7\text{Li}$ in garnets for Li diffusion and isotopic fractionation within garnet. EGU General Assembly, Vienna, Austria. (*oral*)
- Dragovic, B.**, Brooks, H.M., Lamadrid, H.M., Caddick, M.J., Bodnar, R.J., 2018. Fluid capture during exhumation of subducted lithologies: a fluid inclusion study from the Cycladic Blueschist Unit (Sifnos, Greece). American Geophysical Union Fall Meeting, Washington, D.C. (*poster*)
- Codillo, E.A., Klein, F., Marschall, H.R., **Dragovic, B.**, 2018. Insights on rock hybridization at the slab-mantle interface from an exhumed high-pressure serpentinite-eclogite sequence in the Voltri Massif (Ligurian Alps, Italy). American Geophysical Union Fall Meeting, Washington, D.C. (*poster*)
- Penniston-Dorland, S.C., Baumgartner, L.P., Bouvier, A.-S., **Dragovic, B.**, Baker, D.R., 2018. Development of in situ analysis of $\delta^7\text{Li}$ in garnets to decipher metamorphic processes. American Geophysical Union Fall Meeting, Washington, D.C. (*poster*)
- Caddick, M.J., **Dragovic, B.**, Guevara, V.E., 2018. Multiple phases of high-temperature metamorphism recorded in Archean continental crust: A record from polyphase garnet growth. American Geophysical Union Fall Meeting, Washington, D.C. (*poster*)
- Dragovic, B.**, 2018. Episodic garnet-growth metamorphism during Aegean subduction and syn-orogenic exhumation. 2018 Geological Society of America Annual Meeting, Indianapolis, IN. (*oral*)
- Dragovic, B.**, Angiboust, S., 2018. A record of burial and rapid exhumation in an eclogite-facies black smoker from the W. Alps paleo-subduction zone. 28th Annual VM Goldschmidt Conference, Boston, MA. (*poster*)
- Dragovic, B.**, Guevara, V.G., Caddick, M.J., 2018. Variable garnet (re)crystallisation during high-temperature polyphase metamorphism. 28th Annual VM Goldschmidt Conference, Boston, MA (*poster*)
- Penniston-Dorland, S.C., Baumgartner, L.P., **Dragovic, B.**, Bouvier, A.-S., 2018. Evidence from in situ measurements of $\delta^7\text{Li}$ in garnets suggests control of fluid composition on Li isotopic fractionation within garnet. 28th Annual VM Goldschmidt Conference, Boston, MA. (*oral*)

PROFESSIONAL SERVICE

- 2017-present Member-at-large, Geological Society of America (GSA) Research Grants Selection Committee
- 2018 AGU Fall Meeting, Washington, D.C., Co-Convener and Co-Chair
Session title: The Varied Roles of Fluids Near the Subduction Interface
- 2018 Goldschmidt Conference, Boston, Massachusetts, Co-Convener
Session title: Multidisciplinary Insights into Subduction Zone Processes
- 2017 Goldschmidt Conference, Paris, France, Co-Convener and Co-Chair
Session title: Metamorphic and Melting Processes: From Subduction Zones to Ultra-High Temperature Terranes
- 2017 EGU Annual Meeting, Vienna, Austria, Student Presentation Judge
- 2016 AGU Fall Meeting, San Francisco, CA, OSPA Judge
- 2015 AGU Fall Meeting, San Francisco, CA, Co-Convener and OSPA Liaison
Session title: Innovative Approaches to Deciphering Metamorphic Processes
- 2014 AGU Fall Meeting, San Francisco, CA, Primary Convener and Chair
Session title: Processes, Pathways, and Properties Along the Subduction Interface
- 2014 AGU Fall Meeting, San Francisco, CA, Co-Convener
Session title: Advanced Techniques for Determining Elemental Composition, Isotopic Abundance, and Radioisotopic Age Using Bulk and Micro-analysis
- 2014 AGU Fall Meeting, San Francisco, CA, OSPA Judge

PEER REVIEWS

Research grant proposals:

- NSF Faculty Early Career (CAREER) Development Program
- NSF-EAR Instrumentation and Facilities
- NSF-EAR Petrology and Geochemistry

NSF-EAR Tectonics
Austrian Science Fund (FWF)
Geological Society of America Student Research Grants

Journal manuscripts:

American Journal of Science
American Mineralogist
Contributions to Mineralogy and Petrology
Earth and Planetary Science Letters
Geochemistry, Geophysics, Geosystems (G³)
Geochimica et Cosmochimica Acta
Geological Society of America Bulletin
Geology
Geoscience Frontiers
Geosciences
Geosphere
Journal of the Geological Society, London
Journal of Petrology
The Journal of Geology
Journal of Metamorphic Geology
Lithos
Lithosphere
Minerals
New Zealand Journal of Geology and Geophysics
Precambrian Research
Resources
South African Journal of Geology
Tectonics

ACADEMIC SEMINAR/COLLOQUIUM LECTURES

2019 University of Connecticut – *scheduled*
Stony Brook University
University of South Carolina
2018 Salem State University
Institut de Physique du Globe de Paris (IPGP)
2017 University of Maryland Geochemistry series
Boise State University
Freie Universität Berlin
Virginia Polytechnic Institute and State University
2016 University of Alabama
2015 Ohio University
University of Maryland Geochemistry series
2014 University of North Carolina at Chapel Hill
2013 Virginia Polytechnic Institute and State University

INVITED WORKSHOPS

Spring 2017 Instructor – Reviews in Mineralogy and Geochemistry short course “Petrochronology: Methods and Applications” – Vienna, Austria

FIELD EXPERIENCE

Mapping and sample collection:

Cycladic Islands, Greece, *2019*
Western Alps; Italy, *2018*
Western Alps; Switzerland, France, Italy, *2017*
Pikwitonei Granulite Domain, MB, Canada, *2015*

Eastern Beartooth Mountains, MT/WY, USA, 2014
Southeastern VT, USA, 2009
Cycladic Islands, Greece, 2009
Mesozoic Rift Basin, CT, USA, 2000
Counties Galway and South Mayo, Ireland, 1999

Teaching assistant for mineralogy course:

Central and western MA, southern NH and VT, USA, 2007-2012

TECHNICAL EXPERTISE

Expertise in thermal ionization mass spectrometry (TIMS), clean laboratory procedures, and other wet chemical techniques. Extensive use of *JEOL 8200 Superprobe* and *CAMECA SX50* electron microprobes (EMPA), laser ablation inductively-coupled mass spectrometry (LA-ICP-MS), X-ray diffraction (XRD), scanning electron microscopy (SEM), and whole-rock (e.g. X-Ray fluorescence) analysis. Use of laser Raman spectroscopy, fluid inclusion heating and freezing stage, multi-collector ICP-MS (for stable isotope analyses), differential scanning calorimetry (DCS), thermal gravimetric analysis (TGA), and National Synchrotron Light Source (NSLS) - Brookhaven National Laboratory. Extensive experience in standard preparation and optical mineralogy techniques.

Expertise in equilibrium thermodynamic software for petrological applications (i.e. *Perple_X*, *THERMOCALC*). Expertise in office and graphical software. Extensive experience in the use of *MATLAB*, *Mathematica*, and statistical software.

STUDENT RESEARCH MENTORING

Ph.D. Dissertation committee, Reader

- 2017-present Kirkland Broadwell – Ph.D. student (Anticipated title) “*Quantifying the role of fluids in the conditions, durations, and rates of metamorphism in different tectonic settings*”
Primary advisor: Mark J. Caddick
- 2017-present Alexandra Nagurney – Ph.D. student (Anticipated title) “*Nucleation and growth of minerals in metamorphic rocks*”
Primary advisor: F. Marc Michel and Mark J. Caddick
- 2016-present Lisa Whalen – Ph.D student (Anticipated title) “*Thermal timescales of the Himalayan orogen*”
Primary advisor: Mark J. Caddick
- 2015-present Calvin Mako – Ph.D. candidate (Anticipated title) “*Heat and metamorphism in orogenic belts*”
Primary advisors: Rick Law and Mark J. Caddick

Research mentor for other graduate student projects:

- 2013-2018 Jennifer Gorce – graduated Ph.D. student – Title: “*Rates and processes of subduction-related dehydration: Examples from the Aegean*”
- 2013-2017 Victor Guevara – graduated Ph.D. student – Title: “*How hot, how deep, how long: constraints on the tectono-metamorphic evolution of granulite terranes*”
- 2013-2015 Kyle Ashley – graduated Ph.D. student – Title: “*Constraining Metamorphic and Tectonic Evolution in Convergent Terranes: How Trace Elements and Mineral Inclusions Shape Mechanical and Reconstructive Models*”
- 2013-2014 Kristen McCall – graduated M.S. student – Title: “*Using Metamorphic Texture to Infer Deformation and Thermodynamic Histories*”

Research mentor for undergraduate student projects:

- 2013-2015 Hanna Brooks – graduated B.S. student – “*A complex history of fluid-rock interaction during subduction and exhumation of blueschists*”

TEACHING EXPERIENCE (boldface as course instructor)

Fall 2018	Guest Lecturer, GEOS 4984/5984, <i>Sedimentary Basins</i> (lecture on detrital geo/thermochronology). Undergraduate/graduate course, Department of Geosciences, Virginia Tech Guest Lecturer, GEOS 3504, <i>Mineralogy</i> (lecture on diffusion). Undergraduate/graduate course, Department of Geosciences, Virginia Tech
Spring 2017	Instructor , GEOS 5984, <i>Rates and Dates: Isotope Geochemistry/Geochronology</i> <i>Developed and facilitated seminar on mineral-isotope systems, focused primarily on the understanding of tectonic processes.</i> 1-credit graduate seminar, Department of Geosciences, Virginia Tech
Spring 2016	Guest Lecturer, GEOS 3704, <i>Igneous and Metamorphic Petrology</i> . Undergraduate course, Department of Geosciences, Virginia Tech
Spring 2015	Guest Lecturer, GEOS 3704, <i>Igneous and Metamorphic Petrology</i> . Undergraduate course, Department of Geosciences, Virginia Tech
Fall 2014	Guest Lecturer, GEOS 5704, <i>Geochemical Thermodynamics</i> . Graduate and senior undergraduate course, Department of Geosciences, Virginia Tech
Fall 2012	Teaching Assistant, ES 101, <i>The Dynamic Earth</i> , Department of Earth and Environment, Boston University (BU)
Fall 2007/8/10/12	Teaching Assistant, ES 222, <i>Mineralogy</i> , Department of Earth and Environment, BU
Summer 2012	Instructor , ES 101, <i>The Dynamic Earth</i> , Department of Earth and Environment, BU <i>Organized and taught all lectures of an introductory level geology course, consisting of a class size of ten students. Graded problem sets and exams. Coordinated with a teaching assistant on the content of the lab exercises.</i>
Spring 2008	Teaching Assistant, ES 424, <i>Igneous and Metamorphic Petrology</i> , Department of Earth and Environment, BU
1999-2002	Teaching Assistant, GEOL 101, <i>Introduction to Physical Geology</i> , Department of Geological Sciences, University of Connecticut

OUTREACH AND ENRICHMENT

2016	Instructor, Virginia Tech NanoCamp
2015/2016	Volunteer for Virginia Tech Museum of Geosciences GeoFair and Mineral Sale
2015	Guest teacher at the Hurley School in Boston, MA (6 th -8 th grades) on plate tectonics and geologic field experiences
2007/8/10/12	Teaching Assistant for the RoBoT (Rocks Beneath Our Toes) program, Boston University
2008/2009	Presenter for Science Fair at The Runkle School, Brookline, MA

AFFILIATIONS

Geological Society of America (Geochronology Division)
Mineralogical Society of America
Geochemical Society
American Geophysical Union

WORKSHOP PARTICIPATION

2019	NSF GeoPRISMS Theoretical and Experimental Institute Synthesis Workshop San Antonio, TX
2018	NSF GeoPRISMS workshop – “ExTerra: Evolution of arc crust” AGU Fall Meeting, Washington, D.C.
2016	NanoEarth Workshop Virginia Polytechnic Institute and State University
2014	Fundamentals of 3D Quantitative Analysis of Geologic Materials Using CT The University of Texas at Austin
2013	NSF GeoPRISMS New Zealand Planning Workshop

- Wellington, New Zealand
- 2012 UCLA SIMS (secondary ion mass spectrometry) Workshop
University of California at Los Angeles
- 2011 NSF GeoPRISMS Metamorphic Studies Workshop
AGU Fall Meeting, San Francisco, CA
- 2011 NSF GeoPRISMS Science Plan Implementation Workshop
Bastrop, TX

UNIVERSITY/DEPARTMENTAL SERVICE

- 2018-2019 Virginia Tech Graduate Student Research Symposium, *Judge*
- 2007-2012 Boston University Graduate Student Organization, *Earth Sciences Departmental Representative*
- 2011-2012 Graduate Student Representative at Department of Earth Sciences Faculty Meetings
- 2007-2010 Boston University Graduate Student Organization, *Treasurer*

REMAINING ABSTRACTS

- Nagurney, A.B., Caddick, M.J., **Dragovic, B.** Understanding overstepped metamorphic reactions via changes in the chemical potential of thermodynamic components. 28th Annual VM Goldschmidt Conference, Boston, MA. (*poster*)
- Guevara, V.E., Dragovic, B., Caddick, M.J., Couëslan, C.G., Kylander-Clark, A.R.C., Maclennan, S.A., Schoene, B., Baxter, E.F., 2018. Ultrahigh temperature metamorphism of Archean continental crust: insights from the petrochronology arsenal. 2018 Northeastern GSA conference, Burlington, VT. (*oral*)
- Dragovic, B.**, Caddick, M.J., Guevara, V.E., 2017. Comparison of Archean tectonic modes through petrochronology. 27th Annual VM Goldschmidt Conference, Paris, France. (*oral*)
- Dragovic, B.**, Guevara, V.E., Caddick, M.J., Couëslan, C.G., Baxter, E.F., 2017. Punctuated HT/UHT metamorphism during prolonged Archean orogenesis in the Pikwitonei Granulite Domain revealed by garnet petrochronology. EGU General Assembly, Vienna, Austria. (*oral*)
- Caddick, M.J., **Dragovic, B.**, Guevara, V.E., 2017. Comparative chronology of Archean HT/UHT crustal metamorphism. EGU General Assembly, Vienna, Austria. (*oral*)
- Penniston-Dorland, S., **Dragovic, B.**, 2016. Using Li and its isotopes as a tracer of subduction-related metamorphic fluid-rock interactions. American Geophysical Union Fall Meeting, San Francisco. (*oral*)
- Dragovic, B.**, Guevara, V.G., Caddick, M.J., Couëslan, C.G., Baxter, E.F., 2016. Deciphering the timescales of Archean HT/UHT metamorphism in the Pikwitonei Granulite Domain using garnet petrochronology. American Geophysical Union Fall Meeting, San Francisco. (*oral*)
- Guevara, V.G., Maclennan, S.A., Schoene, B., **Dragovic, B.**, Caddick, M.J., Kylander-Clark, A.R.C., Couëslan, C.G., 2016. Quantifying the timescales of Archean UHT metamorphism through U-Pb monazite and zircon petrochronology: insights from the Pikwitonei Granulite Domain. American Geophysical Union Fall Meeting, San Francisco. (*oral*)
- Guevara, V.G., **Dragovic, B.**, Caddick, M.J., Kylander-Clark, A.R.C., Couëslan, C.G., 2016. Ultrahigh temperature metamorphism of the Archean Pikwitonei Granulite Domain. Geological Society of America Annual Meeting, Denver, CO. (*oral*)
- Baxter, E.F., Caddick, M.J., Ague, J.J., **Dragovic, B.**, Pollington, A.D., Sullivan, N., 2016. Three kinds of metamorphic pulses: geodynamic, thermodynamic, kinetic. Geological Society of America Annual Meeting, Denver, CO. (*oral*)
- Dragovic, B.**, Guevara, V.G., Caddick, M.J., Baxter, E.F., 2016. HT/UHT garnet geo-thermochronology: Limitations and applications from two Neoproterozoic terranes. 35th International Geological Congress, Cape Town, South Africa. (*oral*)
- Dragovic, B.**, Baxter, E.F., Caddick, M.J., 2016. A “brief” history of Aegean subduction: P-T-t evolution of the Cycladic Blueschist Unit, Sifnos, Greece. 35th International Geological Congress, Cape Town, South Africa. (*poster*)

- Caddick, M.J., Guevara, V.E., **Dragovic, B.**, Baxter, E.F., 2016. A brief pulse of Archean granulite-facies metamorphism: the Beartooth Mountains of Montana, U.S. 35th International Geological Congress, Cape Town, South Africa. *(oral)*
- Guevara, V.G., **Dragovic, B.**, Caddick, M.J., Baxter, E.F., 2016. The ghost of a craton's past. 51st Annual Meeting of the Northeastern section of the Geological Society of America, Albany, NY. *(oral)*
- Dragovic, B.**, Caddick, M.J., 2015. A (very) brief history of subduction: insights from thermodynamic and geodynamic models. Geological Society of America Annual Meeting, Baltimore, MD. *(oral)*
- Dragovic, B.**, Guevara, V., Caddick, M.J., Baxter, E.F., 2015. Limitations and utility of Sm-Nd garnet geochronology of high-temperature metamorphism: an example from the Wyoming Craton. Geological Society of America Annual Meeting, Baltimore, MD. *(poster)*
- Guevara, V., **Dragovic, B.**, Caddick, M.J., 2015. P-T path of short-lived Neoproterozoic granulite facies metamorphism of the Wyoming Craton. Geological Society of America Annual Meeting, Baltimore, MD. *(oral)*
- Gorce, J., Caddick, M.J., Baxter, E.F., Ashley, K.T., Kendall, J.A., **Dragovic, B.**, Brooks, H.L., Ramos, E.J., 2015. P-T paths from Syros, Greece, and constraints on subduction zone fluid generation. Geological Society of America Annual Meeting, Baltimore, MD. *(poster)*
- Brooks, H.L., Lamadrid, H.M., Caddick, M.J., **Dragovic, B.**, Bodnar, R.J., 2015. Insights into subduction zone fluid chemistries from fluid inclusions in blueschist from Sifnos, Greece. Geological Society of America Annual Meeting, Baltimore, MD. *(poster)*
- Baratoux, L., Honn, D., Baratoux, D., Eccles, K.A., Baxter, E.F., **Dragovic, B.**, Block, S., Jessell, M.W., 2015. Sm-Nd garnet metamorphic ages in the Bole-Nangodi belt, Ghana. 25th Annual VM Goldschmidt Conference, Prague, Czech Republic. *(oral)*
- Dragovic, B.**, Gatewood, M.G., Baxter, E.F., Stowell, H., Hirsch, D., Bloom, R., 2015. Determining the timescale and amount of syn-metamorphic fluid flow during regional metamorphism, Townshend Dam, Vermont, U.S.A. Southeastern section of the Geological Society of America. *(oral)*
- Dragovic, B.**, Caddick, M.J., Baxter, E.F., 2014. Rapid heating at subduction interfaces: A special case or the norm? American Geophysical Union Fall Meeting, San Francisco. *(poster)*
- Guevara, V., **Dragovic, B.**, Caddick, M.J., Baxter, E.F., 2014. 2.69-2.68 Ga granulite facies metamorphism in the Wyoming Craton revealed by Sm-Nd garnet geochronology and trace element zoning, eastern Beartooth Mountains, Montana and Wyoming, USA. American Geophysical Union Fall Meeting, San Francisco. *(poster)*
- McCall, K.E., Caddick, M.J., **Dragovic, B.**, 2014. Chemical potentials: the key to unlocking the conditions of garnet nucleation? 63rd Annual Meeting of the Geological Society of America Southeastern Section, Blacksburg, Virginia. *(oral)*
- Dragovic, B.**, Baxter, E.F., Caddick, M.J., 2013. Pulsed garnet growth and dehydration during subduction, Sifnos, Greece. Geological Society of America Annual Meeting, Denver, CO. *(oral)*
- Bloom, R., Hirsch, D., Gatewood, M.G., **Dragovic, B.**, Baxter, E.F., Stowell, H.H., 2013. The kinetics of garnet crystallization, Townshend Dam, VT. Geological Society of America Annual Meeting, Denver, CO. *(oral)*
- Baxter, E.F., **Dragovic, B.**, Caddick, M., 2013. The chronology of dehydration. 23rd Annual VM Goldschmidt Conference, Florence, Italy. *(oral)*
- Stowell, H.H., Gatewood, M.G., **Dragovic, B.**, Baxter, E.F., Hirsch, D., Bloom, R., 2013. Garnet compositional zoning and evaluating equilibrium in pelitic schist: an example from Townshend Dam, VT. 47th Annual Meeting of the Geological Society of America South-Central Section, Austin, Texas. *(oral)*
- Stowell, H.H., Gatewood, M.G., **Dragovic, B.**, Baxter, E.F., Hirsch, D., Bloom, R., 2012. Evaluating the scale and nature of equilibrium in metamorphic rocks using garnet compositions. 2012 Geological Society of America Annual Meeting, Charlotte, NC. *(oral)*
- Baxter, E.F., **Dragovic, B.**, Caddick, M.J., 2012. Linking zoned garnet Sm-Nd geochronology and thermodynamic analysis to constrain subduction zone dehydration flux. 34th International Geological Congress, Brisbane, Australia. *(oral)*
- Dragovic, B.**, Gatewood, M.G., Baxter, E.F., Stowell, H.H., Hirsch, D.M., Bloom, R., 2012. Constraining dehydration rates during regional metamorphism, Townshend Dam, Vermont, U.S.A. 22nd Annual VM Goldschmidt Conference, Montreal, Canada. *(oral)*

- Bloom, R., Hirsch, D.M., **Dragovic, B.**, Gatewood, M.G., Baxter, E.F., Stowell, H.H., 2012. Determining garnet crystallization kinetics from growth zoning and Mn-calibrated Sm-Nd ages at Townshend Dam, VT. 22nd Annual VM Goldschmidt Conference, Montreal, Canada. (*oral*)
- Dragovic, B.**, Baxter, E.F., Caddick, M., 2011. Dehydration history of subducting lithologies, Sifnos, Greece. 2011 American Geophysical Union Fall Meeting, San Francisco. (*oral*)
- Gatewood, M.G., **Dragovic, B.**, Stowell, H.H., Baxter, E.F., Hirsch, D.M., Bloom, R., 2011. Utilizing major element and age zoning in garnet as a tool for evaluating the scale of equilibrium in metamorphic rocks. 2011 American Geophysical Union Fall Meeting, San Francisco. (*oral*)
- Baxter, E.F., Caddick, M., Thompson, A., **Dragovic, B.**, Pollington, A.D., Ague, J., 2011. Causes of pulsed mineral growth during metamorphism. 21st Annual VM Goldschmidt Conference, Prague, Czech Republic. Mineralogical Magazine, v. 75, no. 3, p. 501. (*poster*)
- Dragovic, B.**, Baxter, E.F., Caddick, M., 2011. Accelerating garnet growth and related dehydration at blueschist-facies conditions, Sifnos, Greece. 21st Annual VM Goldschmidt Conference, Prague, Czech Republic. Mineralogical Magazine, v. 75, no. 3, p. 779. (*oral*)
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