

2016 Kaufman INSTOC Symposium

“SHAKE, BAKE, and BOIL: Magma and fluid systems and the subduction factory”

Tuesday, October 11, 2016
2146 Snee Hall

Institute for the Study of the Continents (INSTOC)
and the Department of Earth and Atmospheric Sciences
Cornell University, Ithaca, NY

Image via Places Under the Sun, www.universityobserver.ie

8:00 – 9:00	Continental Breakfast/Registration	Atrium, Snee Hall
9:00 – 9:10	WELCOME	Matt Pritchard, INSTOC Director
	Session I: Overview	Chair: Muawia Barazangi
9:10 – 9:50	Keynote: Brad Hacker, Oliver Visiting Professor (UC, Santa Barbara)	Overview of the subduction factory
9:50 – 10:20	Brenhin Keller (Princeton University)	The prevalence of arc magmatism throughout Earth history
10:20-10:50	Matt Pritchard (Cornell University)	Multi-sensor geophysical constraints on crustal melt at a so-called zombie volcano in the central Andes: the PLUTONS project
10:50-11:10	BREAK	
	Session II: Evidence	Chair: Rick Allmendinger
11:10-11:40	Pascal Audet (University of Ottawa)	Seismic evidence and implications of fluids along the subduction zone megathrust fault
11:40-12:10	Katie Kelley (University of Rhode Island)	Magmatic records of subduction initiation and early arc evolution in the Izu-Bonin-Mariana arc
12:10-12:40	Katie Keranen (Cornell University)	The role of faults in accommodating magmatism and rapid uplift at Laguna del Maule, Chile
12:40-2:00	LUNCH AND POSTERS	Atrium, Snee Hall
	Session III: Mechanisms	Chair: William White
2:00-2:30	Diana Roman (Carnegie Institution)	How magmas move through the crust
2:30-3:00	Geoff Abers (Cornell University)	How does Mount St Helens, a hot volcano, erupt through a cold forearc?
3:00-3:30	Larry Cathles (Cornell University)	How gas venting could initiate intrusion
3:30-4:30	Open Discussion and Synthesis	Moderator: John Thompson