

LUC Seminar - Program Spring 2020

13 March 2020

Paul Scherrer Institute, OFLG 402

- 09:30-10:30** **Peter Alpert (LUC, PSI, CH)**
Toward the chemical understanding of ice nucleating particles.
- 10:45-11:45** **Sebastian Hellmann (VAW, ETH Zürich, CH)**
Revealing the internal structure of Rhonegletscher with geophysical methods.

27 March 2020

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- 09:30-10:30** **Jérôme Gabathuler (LUC, PSI, CH)**
The hydrogen-bonding network at the surface of ice.
- 10:45-11:45** **Alessandro Cicoira & Isabelle Gärtner-Roer (Geo 3G, Univ. Zürich, CH)**
Rock glaciers: characteristics and relevance.
- 13:00-14:00** **Nadine Borduas-Dedekind (USYS, ETH Zürich, CH)**
In the air, in the water and in the soil: Photochemistry of organic matter produces reactive oxygen species (ROS), including in atmospheric aerosols.

15 May 2020

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- 09.30-10.30** **Thomas Singer (LUC, PSI, CH)**
To be announced (¹⁴C dating, ¹⁴C source apportionment, pre-industrial to industrial carbonaceous aerosols, WIOC, DOC, ice core, European Alps, Central Asia).
- 10:45-11:45** **Yanisha Manoharan (LUC, PSI, CH)**
To be announced (Surface chemistry, nitrogen, air-ice/water interface, XPS / NEXAFS / flow tube).
- 13:00-14:00** **Petr Nalivaika (LUC, PSI, CH)**
To be announced (Trace elements, ICP-MS, Central Asian ice cores).
- 14:15-15:15** **Anthony Boucly (LUC, PSI, CH)**
A story of Iron oxy-hydroxide and acids.