Prix de Quervain

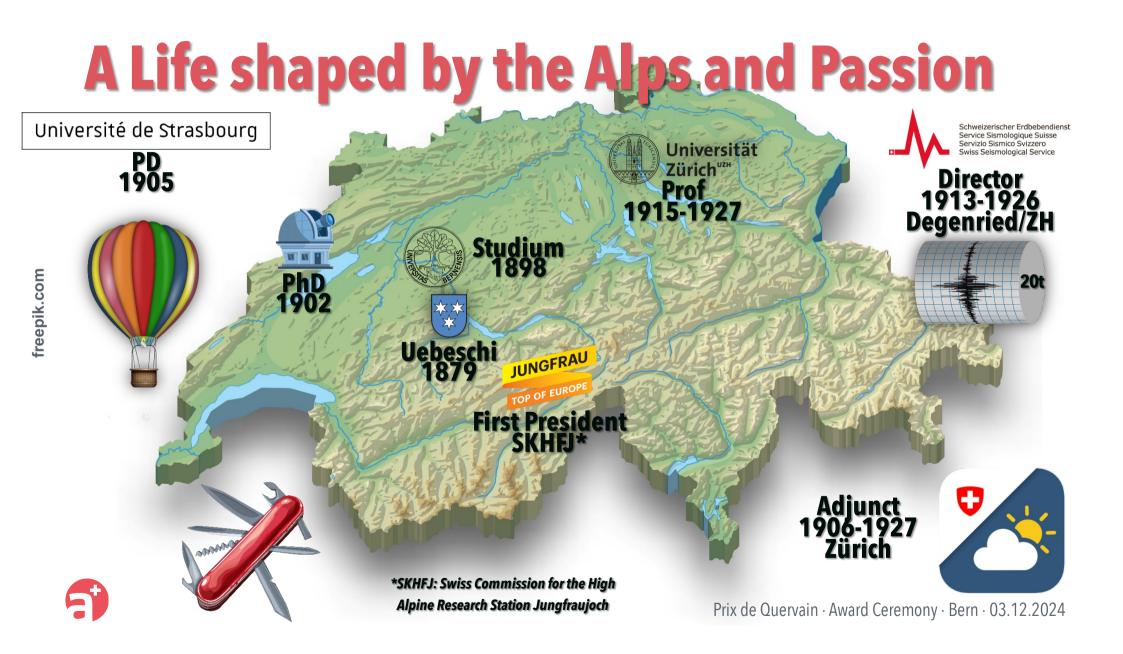


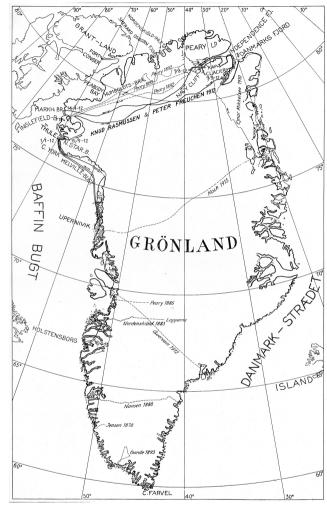
Dr. Alfred de Auervain, Seiter der Grönland-Egpedition. Source: Heim (1909)



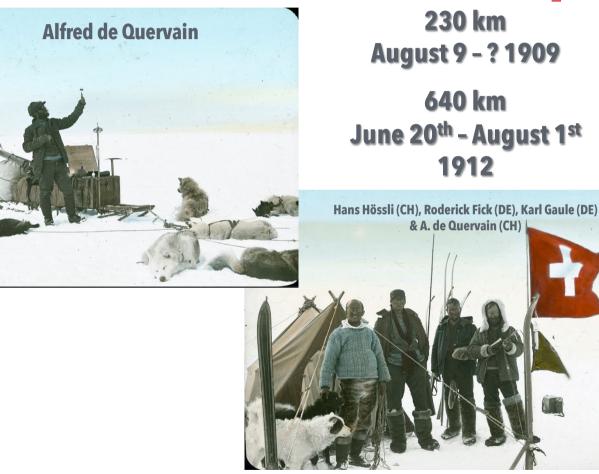
- Named after the Swiss Arctic explorer Alfred de Quervain (1879-1927), this prize is awarded annually since 2009, alternating between polar and high altitude research (laureates)
- Eligible are early career researchers who have completed their MA, PhD or Postdoc work in Switzerland in the 24 months prior to the submission deadline. The next call (high altitude research) will take place in early 2025. To be alerted, please write to roger.pfister@scnat.ch
- The awarding of the prize of CHF 5,000 is part of a public symposium at which the prizewinners present their work

Prix de Quervain \cdot Award Ceremony \cdot Bern \cdot 03.12.2024





Across Greenland's Ice Cap



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Source: Rasmussen (1920)







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DAVOS

MOSAiC Expedition



Three scientists leaving the RV Polarstern to conduct work on ridged sea ice

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The scientific research group of the MOSAiC expedition during the summer season (Leg 4). The group is standing on the edge of a typical Arctic melt pond.

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Amy's journey in Science



Preparing for the MOSAiC Expedition: Learning to firefight in Rotterdam (NL)

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Taking over the snow work between leg 2 to 3 during MOSAiC – not knowing that this will be a long journey of 6 months and a special time of her life!

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Amy's journey in Science

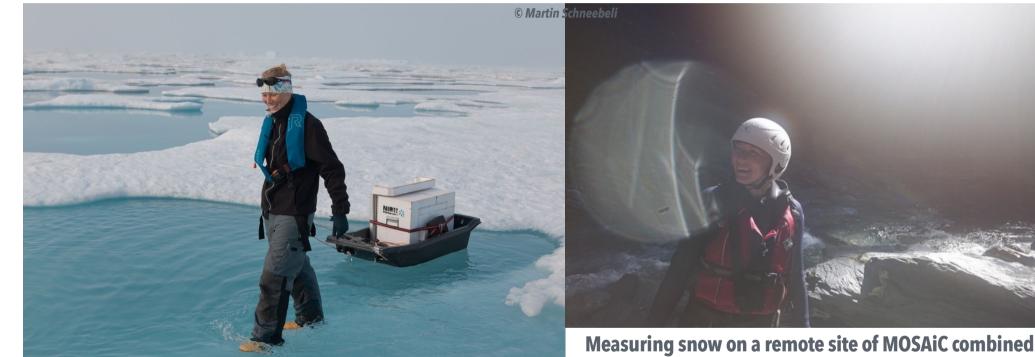


Amy Macfarlane and Stefanie Arndt digging a snowpit to measure the snowpack's physical and chemical properties.

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One of the scientific stations installed to conduct atmospheric measurements using a tethered balloon. This photo was taken in the quick transition from polar night to polar day. Prix de Quervain · Award Ceremony · Bern · 03.12.2024

Amy's journey in Science



Amy measuring the surface scattering layer on the melting Arctic sea ice

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Measuring snow on a remote site of MOSAiC combined with a helicopter flight at polar night

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Prix de Quervain

Influences of snow microstructure on the Arctic sea ice energy budget

- The critical role of snow on Arctic sea ice
- Cutting-edge techniques such as micro-computed tomography and stable isotope analysis
- Enhancement of our understanding of snow and sea ice dynamics
- Implications for key uncertainties in global climate models
- The first comprehensive dataset documenting the seasonal evolution of snow on sea ice

