



## Eleanore Blereau

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### Brief Summary

I am a metamorphic petrologist with a particular interest in high-grade metamorphic processes. I combine the techniques of U-Pb geochronology, trace element geochemistry, phase equilibria modelling and detailed petrography in a petrochronological approach to derive  $P$ - $T$ - $t$  evolutions and to assess the behaviour of accessory minerals under high-grade conditions.

**Education:** BSc Applied Geology, BSc Honours – Science (Applied Geology) – Curtin University

**Research interests:** H-UHT-grade metamorphism, partial melting and fluid processes

**Thesis title:** A Petrochronological Investigation of Metamorphic, Melt and Fluid Related Processes in Lower Crustal Rocks from Southwestern Norway and Southern India

**Supervisors:** A/Prof. Chris Clark, Dr. Tim Johnson, Dr. Rich Taylor, Prof. Pete Kinny

### Publications:

- Blereau, E., Clark, C., Taylor, R. J. M., Johnson, T. E., Fitzsimons, I. C. W. and Santosh, M., 2016 'Constraints on the timing and conditions of high-grade metamorphism, charnockite formation and fluid-rock interaction in the Trivandrum Block, southern India.' *Journal of Metamorphic Geology*, 34, 527-549.
- Blereau, E., Johnson, T. E., Clark, C., Taylor, R. J. M., Kinny, P. D. and Hand, M., 2017. 'Reappraising the  $P$ - $T$  evolution of the Rogaland-Vest Agder Sector, southwestern Norway.' *Geoscience Frontiers*, 8, 1-14.

**Conferences:** -Granulites and Granulites 2015 (Namibia) -Goldschmidt 2016 (Yokohama) - TANG30 2016 (Perth).

**Links:** LinkedIn: <https://www.linkedin.com/in/eleanoreblereau/>  
ResearchGate: [https://www.researchgate.net/profile/Eleanore\\_Blereau](https://www.researchgate.net/profile/Eleanore_Blereau)