

HDACs as regulators of T cell-mediated immunity in health and disease

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SFB F70 Seminar

Understanding the role of HDAC1/2 complexes in development and disease

Shaun Cowley, PhD

Professor of Molecular Biology

Department of Molecular and Cell Biology, University of Leicester, UK

Wednesday, 21.10. 2020, 13 Uhr

Location: Zoom Meeting

<https://us02web.zoom.us/j/82332857454?pwd=ekRTVTRERUwrME>

[VrMzBDLzlUSHBVdz09](https://us02web.zoom.us/j/82332857454?pwd=ekRTVTRERUwrME)

Meeting ID: 823 3285 7454

Passcode: 581146

Host: Wilfried Ellmeier

Biosketch

Shaun Cowley is Professor of Molecular Biology, University of Leicester, UK. He performed his PhD studies at the Imperial Cancer Research Fund, and performed postdoctoral studies at the Fred Hutchinson Cancer Research Center, USA. Following a stay as a senior Research Associate at the Wellcome Trust Sanger Institute, Hinxton, UK, he moved to the University of Leicester as a MRC Career Development Fellow. He has been a MRC Senior non-Clinical Fellow and was appointed as full professor in 2017. In his research, he is focusing on the role of histone deacetylases and HDAC-containing repressor complexes during development and differentiation.



Selected recent publications

- Turnbull RE et al., The MiDAC histone deacetylase complex is essential for embryonic development and has a unique multivalent structure. *Nat Commun.* 2020, 11(1):3252.
- Kelly RDW et al., Histone deacetylase (HDAC) 1 and 2 complexes regulate both histone acetylation and crotonylation in vivo. *Sci Rep.* 2018, 8(1):14690.
- Adams GE et al., Co-repressor, co-activator and general transcription factor: the many faces of the Sin3 histone deacetylase (HDAC) complex. *Biochem J.* 2018, 475(24):3921-3932.