

# Duncan T Odom

The Odom lab explores the mechanisms of genome and regulatory evolution in mammals, and how this informs our understanding of aging and cancer.

**Citations:** 27K+  
**Publications:** 140+  
**h-index:** 62

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## EDUCATION AND EMPLOYMENT

Universität Professor	<i>University of Heidelberg, DE</i>	2021 – present
Division Head	<i>DKFZ – Heidelberg, DE</i>	2019 – present
Principal Investigator & DoR	<i>Cancer Research UK &amp; University of Cambridge</i>	2006 – 2022
Postdoctoral Fellow	<i>Whitehead Institute / MIT, USA</i>	2001 – 2006
PhD (Chemistry)	<i>California Institute of Technology, USA</i>	2001
BA (Chemistry/Math)	<i>New College of Florida, USA</i>	1994

## HONORS AND AWARDS

Genetics Society Mary Lyon Medal	2016
EMBO Membership Election	2015
Cambridge Institute Scientists' Society – Mentoring award	2015
Royal Society Francis Crick Lecture and Medal	2014
EMBO Young Investigator Programme	2010
Sloan Foundation-DOE Postdoctoral Fellowship	2001

## FIVE SELECTED PUBLICATIONS

† co-first / \* corresponding

- S. Aitken, C. Anderson, F. Connor, O. Pich, V. [+22 authors], P. Flicek, D. T. Odom\*, M. Taylor\*. “Pervasive lesion segregation shapes cancer genome evolution.” *Nature* (2020) 265-270.
- C. Martinez-Jimenez†, N. Eling†, H. Chen, C. Vallejos, A. Kolodziejczyk, F. Connor, L. Stojic, T. Rayner, M. Stubbington, S. Teichmann, M. de la Roche, J. C. Marioni\*, D. T. Odom\*. “Aging increases cell-to-cell transcriptional variability upon immune stimulation.” *Science* (2017) 1433-1436.
- D. Villar†, C. Berthelot†, S. Aldridge, T. Rayner, M. Lukk, M. Pignatelli, T. Park, R. Deaville, J. Erichsen, A. Jasinska, J. Turner, M. Bertelsen, E. Murchison, P. Flicek\*, D. T. Odom\*. “Enhancer evolution across twenty mammalian species.” *Cell* (2015) 554-563.
- K. Stefflova†, D. Thybert†, M. Wilson, I. Streeter, J. Aleksic, P. Karagianni, A. Brazma, D. Adams, J. Marioni, P. Flicek\*, D. T. Odom\*. “Cooperativity and rapid evolution of co-bound transcription factors in closely related mammals.” *Cell* (2013) 530-540.
- D. Schmidt†, M. Wilson†, B. Ballester†, P. C. Schwalie, G. Brown, A. Marshall, C. Kutter, S. Watt, C. Martinez-Jimenez, S. Mackay, I. Talianidis, P. Flicek\*, D. T. Odom\*. “Five vertebrate ChIP-seq reveals the evolutionary dynamics of transcription factor binding.” *Science* (2010) 1036-1040.

## LEADERSHIP, COMMUNITY, & OUTREACH

Vice-Chair, Scientific Advisory Council	<i>DKFZ</i>	2022 – 2025
Symposia Selection Committee	<i>EMBO-EMBL</i>	2021 – 2024
Conference organizer	<i>EMBO, CRUK, CSHL</i>	2007 – present
Editorial advisory	<i>Genome Biology, eLife, Mol Sys Biol</i>	2007 – present
Institute Management Committee	<i>Cancer Research UK – CI</i>	2014 – 2018
Radio host for <i>The Science Show</i>	<i>Cambridge 105 fm</i>	2016 – 2018

## PRESENT MAJOR FUNDING

DKFZ	<i>Institutional Core Funding</i>	Variable	2019 - 2035
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