

Curriculum Vitae for Albin Sandelin

Name: Albin Sandelin
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Date of birth(yymmdd): 1975 06 01
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POSITIONS:

- 2013-present Professor at the Bioinformatics Centre, Section of Computational and RNA Biology, Department of Biology and BRIC, Copenhagen University
- 2009-2013 Associate Professor at the Bioinformatics Centre, Department of Biology and BRIC, Copenhagen University
- Oct 2006- 2008 Assistant Professor at the Bioinformatics Centre, Department of Biology and BRIC, Copenhagen University.
- Feb 2005 – Sept 2006 Researcher/postdoc at the Genome Sciences Center, RIKEN Yokohama Institute, Japan with Dr. Yoshihide Hayashizaki, and Adjunct Associate Professor (teaching position) at Tokyo Medical and Dental University, Japan
- May 2004 – Jan 2005 Postdoctoral position at Center for Genomics and Bioinformatics, Karolinska Institute, Sweden with Dr. Boris Lenhard

PUBLICATIONS AND BIBLIOMETRICS

I have published several high impact papers, including Nature(4 – one as senior author), Science(3, one as senior author), Nature Genetics(3, one as first author), Nature Structural and Molecular Biology(2 – one as senior author), PNAS(1, senior author), Genome Research(5, 3 as senior or first author), Nature Reviews Genetics(3, all as senior or first author). I serve as a referee for Nature, Genome Research, PLoS Genetics and Nature Biotechnology among others. Editorial board member of Scientific Data (Nature Press)

Total accepted peer-reviewed publications: 66

First authorships 11

Corresponding authorships 24

	Web of Science	Google Scholar
Total citations	20,160	14,307
h-index	34	37

TEN SELECTED PAPERS

indicates first authorship(s), * indicates corresponding authors(s)

1. *Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells.* **Science** 2015, (in press). Arner E et al ...Sandelin A*, Carninci P*, Hayashizaki, H*
2. *An atlas of active enhancers across human cell types and tissues.* **Nature** 2014 507(7493):455-61. Andersson R et al...Sandelin A*
3. *A promoter level expression atlas* **Nature** 2014 507(7493):462-70. . Forrest A et al... Sandelin A, Hume D, Hayashizaki, Y:
4. *Nuclear stability and transcriptional directionality separate functionally distinct RNA species* **Nature Communications**. 2014 Nov 12;5:5336. Andersson A et al...Sandelin A*
5. *Polyadenylation site-induced decay of upstream transcripts enforces promoter directionality.* **Nature Structural and Molecular Biology**. 2013, (8):923-8.Ntini E et al ... Sandelin A, Jensen TH.
6. *Metazoan promoters: emerging characteristics and insights into transcriptional regulation.*

- Nat Rev Genet** 2012 , **13**, 233–245 (2012). Lenhard, B*. Sandelin, A* , Carninci, P*.
7. *Biogenic mechanisms and utilization of small RNAs derived from human protein-coding genes.* **Nature Structural and Molecular Biology** 2011, 18(9):1075-1082. Valen E, Preker P, Andersen PR, ... Sandelin* A, Jensen* TH.
 8. *Genome-wide detection and analysis of hippocampus core promoters using DeepCAGE.* **Genome Research** 2009, **19**(2):255-265. Valen E, Pascarella G, ..., Sandelin* A, Carninci* P
 9. *A code for transcription initiation in mammalian genomes.* **Genome Research** 2008, 18(1):1-12. Frith MC, Valen E, Krogh A, Hayashizaki Y, Carninci P, Sandelin* A:
 10. *Genome-wide analysis of mammalian promoter architecture and evolution.* **Nature Genetics** 2006, 38(6):626-635. Carninci P[#], Sandelin A[#], Lenhard B[#], et al.

GRANTS/AWARDS

2008: ERC StG grant ~6.5 million DKK
 2008: 500k DKK from the Faculty of Science as ERC supplementary funds
 2010: Grant from The Danish Cancer Society, 1.2 M DKK
 2010: Grant from Novo Nordisk (co-PI), 15 M DKK
 2010: Grant from The Lundbeck Foundation, 400k DKK
 2011: Equipment grant from Aase og Ejnar Danielsens Fond, 100k DKK
 2011: Junior Group Leader Fellowship from the Lundbeck Foundation, 10M DKK
 2013: PI for Marie-Curie postdoc proposal
 2013: Joint grant from EU/Danish Research Council as part of the “Risk and Modifying factors in Fronto Temporal Dementia” consortium – total 3.3M €, Danish part 180,851 €
 2014: Lundbeck Postdoc, 1.2 M DKK
 2014: Nominated to Elite Researcher prize of Denmark, by University of Copenhagen (two nominated per Danish university)

MANAGEMENT EXPERIENCE

I have been running an independent, and highly successful, research group since 2007, which is both experimental and computational, which requires strong leadership since no one has the expertise covering both fields. Moreover, I am a senior member of the FANTOM consortium, which coordinates 120 laboratories. An example of intra group management is our enhancer atlas project which involved 30 scientists in 8 groups in 6 countries where validation, analyses and data production was made on different continents, all coordinated by me. Lastly I have formal education in project management in 2013 (Copenhagen University/Innovation 2013), and research leadership (EMBO, 2014).

SUPERVISION EXPERIENCE

I have supervised 5 PhD students from start to finish (and am currently supervising 5 more), and 9 postdocs. Many alumni are now at prestigious universities (Harvard, Princeton, Cold Spring Harbor Labs) and leading positions in companies (Leo Pharma, ALK, Chr Hansen, Roche); two are leading their own research groups.

EDUCATION

2014	EMBO Laboratory management Course, Heidelberg
2013	Project management for Scientists (Copenhagen University/innovation)
2007-2009	Adjunktpedagogikum (didactics education for assistant professors) Copenhagen University
2004	PhD in Functional Genomics, Karolinska Institute
2000	Master of Science in Molecular Biology, Stockholm University
1995-1996	Military service education as fireman