



CV short - Anders Blomberg

Male 19560224-7198; Married to Lena- two kids (Jesper born 1988 and Rasmus born 1990)
Department of Marine Sciences
Lundberg Laboratory; Medicinaregatan 9C, SE-413 90 Göteborg, Sweden
Phone: +46-31-7732589; fax: +46-31-7732599; E-mail: anders.blomberg@cmb.gu.se

HIGHER EDUCATION: Bachelor in Biology (1983) with studies at Univ. of Uppsala and Univ. of Gothenburg; spent half a year at Univ. of Brighton (1980) with advanced courses in chemistry.

DOCTORAL GRADUATION: Microbiology, University of Gothenburg (1988)
Title: "Osmoregulation and osmotolerance in yeast"

LONGER INTERNATIONAL VISITS TO OTHER LABORATORIES:

- Wollongong University, Australia (1983 – 1984; one year), Laboratory of Prof. Duncan Brown; during Phd
- University of Toronto, Canada (2014; two months), sabbatical

DOCENT LEVEL: 1996, Univ. of Gothenburg

CURRENT POSITION: 2002: Professor Functional Genomics, Dept. of Chemistry and Molecular Biology, Univ. of Gothenburg

INTERRUPTION IN RESEARCH:

- Parental leave, two kids 1989 plus 1991 – total time 12 months.
- After a severe car-accident 2008 I have been off work for roughly one year (Sept, 2008 - Sept, 2009) and have been affected in my capacity of working for about two years.

SUPERVISION; PhD STUDENTS GRADUATED IN BLOMBERG'S GROUP

Main supervisor:

Peter Eriksson 1996 "Identification of the two *GPD* isogenes of *Saccharomyces cerevisiae* and characterization of their response to hyper-osmotic stress"

Joakim Norbeck 1996 "Protein expression of yeast during growth under osmotic stress"

Homan Alipor 2002 "Molecular mechanisms involved in the salinity control of the *GPD1* promoter"

Jonas Warringer 2003 "Genetic robustness during environmental stress"

Mikael Molin 2004 "Mechanisms of dihydroxyacetone detoxification in yeast"

Robert Svensson/Caesar 2005 "The physiological role of N-terminal acetylations"

Elke Ericson 2006 "High-resolution phenomics decodes the physiological stress response"

Luciano Fernandez-Ricaud 2007 "Analysis, integration and presentation of yeast phenomics data"

Susanna Falkbring, started 2003 (barnacle receptors: ended her studies 2008; got a job in Belgium)

Jonathan Esguerra 2008 "High-resolution phenotypic profiling of a eukaryotic ribosome"

Lars-Göran Ottosson 2012 "Cellular resilience towards environmental and gene expression perturbations"

Martin Zachrisson 2017 "Tracking microbial growth and evolution at high-throughput"

Anna Abramova 2019 "Molecular biology of barnacle *Balanus improvisus* settlement"

Co-supervisor: (year finished, main supervisor, department/university):

Annika Nilsson (2000, Lena Gustafsson, CMB/GU);

Hadi Valadi (2003, Lena Gustafsson, Biotechnology/Chalmers);

John Gustafsson (2006, Mats Rudemo, Statistics/Chalmers);

Katarina Logg (2011, Mikael Käll, Physics/Chalmers);
Kristoffer Bodvard (2013; Mikeal Käll, Physics/Chalmers);
Anna-Lisa Wrangle (2014, Carl Andre, BIOENV/GU).

SUPERVISION: FORMER AND PRESENT POST-DOCS/RESEARCHERS IN THE LABORATORY

Joakim Norbeck (1997 – 1999), *Amir Hashemi* (2002 – 2004), *Homan Alipour* (2002), *Beidong Liu* (2004 - 2008), *Joan Palmfeldt* (2004 - 2006), *Jonas Warringer* (2004 -), *Piotr Sliwa* (2007 - 2009), *Olga Kourtchenko* (2009 - 2012), *Annabelle Forsmark* (2009 - 2011), *Sylvie Tesson* (2013 – 2015), *Luciano Fernandez-Ricaud* (2008 – 2015), *Mats Töpel* (2013 – 2018), *Tomas Larsson* (2014 - 2018), *Valeria Wallace* (2015 – 2018), *Vaskar Mukherjee* (2016 – 2019), *Ulrika Lind* (2007 – present), *Magnus Alm-Rosenblad* (2007 – present)

DIRECTOR NATIONAL RESEARCH SCHOOL

Programme director of National Research School in Genomics and Bioinformatics from 2001 to 2009

OPPONENT DURING DISSERTATIONS

Katleen Lemaire, Univ. of Leuven, Belgien (2000), *Karin Träff*, Lund University, Sweden (2002), *Jeanette Brejning*, The Royal Veterinary and Agricultural Univ., Denmark (2002), *Frode Berven*, Bergen University, Norway (2005), *Odd Andre Karlsson*, Bergen University, Norway (2005), *Jenny Béve*, Karolinska Institutet, Sweden (2006), *Niklas Nordberg*, Uppsala University, Sweden (2012), *Kristine Hole*, Bergen University, Norway (2013), *Alexander Sebastiaan Kommeren*, Technical University Eindhoven, Holland (2017)

REFEREE FOR INTERNATIONAL JOURNALS

Regularly acting referee for manuscripts from the following journals: Nature Biotechnology, Microbiology, YEAST, Biochimica et Biophysica Acta, Food Technology and Biotechnology, Electrophoresis, Molecular Microbiology, Molecular Systems Biology, Proteomics, Proc. National Academy of Science USA, Molecular Systems Biology, FEMS Yeast Research, Genome Biology, Molecular Biology of the Cell, Current Genetics, PLoS Genetics, PLoS One, G3: Genes, Genomes, Genetics,

MEMBER OF THE EDITORIAL BOARD

Editorial board for FEMS Yeast Research (2007 - present)
Editorial board of Microbial Cell (2013 - present)

COMMISSION OF TRUST - NATIONAL AND INTERNATIONAL

- Member of the scientific advisory board for the centralized yeast database Saccharomyces Genome Database (SGD) at Stanford University, USA (2006 - 2018)
- Evaluation of Netherland Genome Initiative (2007)
- Chairperson for evaluation by European Science Foundation for ESA programme (2009)
- Member of the organisation committee of the international Yeast Genetics meeting (2008- 2013)
- Evaluation committee (Molecular and cellular biology) for Swedish Research Council (2011, 2012 and 2020)
- Evaluation by European Science Foundation (2011 – 2012)
- Chairperson for the Evaluation of higher Biology Education in Sweden (HSV/UKÄ) (2012)
- Member of the European Science Foundation College of Expert Reviewers (2016 - present)

ONGOING INTERNATIONAL COLLABORATIONS

Charlie Boone, Univ. of Toronto, Canada
Gianni Liti, Univ. of Nice, France
David Rand, Brown University, USA

BIBLIOMETRIC STATISTICS

100 primary publications (e.g. Nature, Nature biotechnology, PNAS, Molecularly biology and evolution, PLoS Genetics, BMC Biology)
15 reviews in journals or as book chapters
h-factor: 43
≈ 8200 citations (i10 = 88)

10 selected papers Blomberg

- Warringer, J., Ericson, E., Fernandez-Ricaud, L., Nerman, O., and **Blomberg, A.** (2003)
High-resolution yeast phenomics resolves different physiological features of the saline response
PNAS, **100**: 15724 [number of citations: 227]
- Liti, L., Carter, D., Moses, Warringer, J. A., Parts., L., James, S.A., Robert, P.D., Roberts, I.N., Burt, A., Koufopanou, V., Tsai, I.J., Bergman, B., Bensasson, D., O'Kelly, M.J.T., von Oudenaarden, A., Barton, D.B.H., Bailes, E., Nguyen, A.N., Jones, M., Qual, M.A., Goodhead, I., Sims, S., Smith, F., **Blomberg, A.**, Durbin, R., and Louis, E.J. (2009)
Population genomics of domestic and wild yeasts
Nature, **458**:337 [number of citations: 1380]
- Lind U., Alm Rosenblad, M., Hasselberg Frank L., Falkbring, S., Brive, L., Laurila, J., Pohjanoksa, Vuorenpää, Kukkonen, J. P., Scheinin, M., Lindblad L., and **Blomberg, A.** (2010)
*Octopamine receptors from the barnacle *Balanus improvisus* are activated by the α 2-adrenoceptor agonist medetomidine*
Molecular Pharmacology, **78**:237 [number of citations: 56]
- Li Z, Vizeacoumar FJ, Bahr S, Li J, Warringer J, Vizeacoumar FS, Min R, Vandersluis B, Bellay J, Devit M, Fleming JA, Stephens A, Haase J, Lin ZY, Baryshnikova A, Lu H, Yan Z, Jin K, Barker S, Datti A, Giaever G, Nislow C, Bulawa C, Myers CL, Costanzo M, Gingras AC, Zhang Z, **Blomberg A**, Bloom K, Andrews B, Boone C. (2011)
Systematic exploration of essential yeast gene function with temperature-sensitive mutants
Nature Biotechnology **29**:361 [number of citations: 314]
- Warringer J, Zörgö E, Cubillos FA, Zia A, Gjuvslund A, Simpson JT, Forsmark A, Durbin R, Omholt SW, Louis EJ, Liti G, Moses A, **Blomberg A.** (2011)
Trait variation in yeast is defined by population history
PLoS Genetics, **7**:e1002111 [number of citations: 289]
- Bengtsson, J., Alm Rosenblad, M., Molin, M., **Blomberg, A.** (2014)
Metagenomics reveals that detoxification systems are underrepresented in marine bacterial communities
BMC Genomics, **15**:749 [number of citations: 45]
- Zackrisson, M., J. Hallin, L-G Ottosson, P. Dahl, E. Fernandez-Parada, E. Ländström, L. Fernandez-Ricaud, P. Kaferle, A. Skyman, S. Omholt, U. Petrovic, J. Warringer, **A. Blomberg** (2016)
Scan-o-matic: high-resolution microbial phenomics at a massive scale
G3: Genes, Genomes, Genetics, **6**:3003 [number of citations: 39]
- Lind, U., M. Järvå, M. Alm Rosenblad, P. Pingitore, E. Karlsson, A.-L. Wrangé, E. Kamdal, K. Sundell, C. André, P. R. Jonsson, J. Havenhand, L. A. Eriksson, K. Hedfalk, **A. Blomberg** (2017)
*Analysis of aquaporins from the euryhaline barnacle *Balanus improvisus* reveals differential expression in response to changes in salinity*
PLoS One, **12**:e0181192 [number of citations: 7]
- Nunez, J. C. B., P. A. Flight, D. A. Ferranti, M. Alm Rosenblad, **A. Blomberg**, and D. M. Rand (2020)
Footprints of natural selection at the mannose-6-phosphate isomerase locus in barnacles
PNAS, **117**:5376
- Molin, M., K. Logg, K. Bodvard, K. Peeters, A. Forsmark, F. Roger, A. Jörhov, N. Mishra, J.-M. Billod, S. Amir, M. Andersson, L. A. Eriksson, J. Warringer, M. Käll and **A. Blomberg** (2020)
Protein kinase A controls the growth response to visible light in yeast
BMC Biology, online 2020-11-17