

## PERSONAL INFORMATION

Name: Landberg, Rikard Date of birth: 11.03.1981 Sex: Male Nationality: Swedish

## EDUCATION

- 2009 PhD: Alkylresorcinols as biomarkers of whole grain wheat and rye intake **Disputation date:** 27-02-2009. Department of Food Science, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden.
- 2004 MSc: Avenanthramides as lipoxygenase inhibitors. Department of Food Science, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden

## MOBILITY

- 2009 *Postdoc* Department of Nutrition, Harvard School of Public Health, Harvard University. Ongoing collaborations with Prof. Frank B Hu and Assoc. Prof. Qi Sun (since 2009).

## CURRENT AND PREVIOUS POSITIONS

- 2016- *present* **Professor of Food and Health**, Department of Biology and Biological Engineering, Chalmers University of Technology.
- 2018-2020 **Affiliated Professor**, Department of Public Health and Clinical Medicine, Umeå University, Sweden
- 2013-2016 **Affiliated researcher** Nutritional Epidemiology Unit (IMM), Karolinska Institutet, Sweden
- 2013-*present* **Guest researcher** Danish Cancer Society Research Center, Copenhagen, Denmark
- 2012-2016 **Assoc Prof., Head of the Unit Food and Health**, Department of Food Science, SLU, Uppsala. ~12 group members.
- 2009-2012 **Assistant Professor**, Department of Food Science, SLU, Uppsala, Sweden

## INSTITUTIONAL RESPONSIBILITIES

- 2018-*present* **Head of Division Food and Nutrition Science** (n=45), Department of Biology and Biological Engineering, Chalmers University of Technology, Sweden
- 2012-2016 **Head of the Unit Food and Health**, Department of Food Science, SLU
- 2011-2016 **Director of studies** of Food in Focus (research school at SLU) and the national research school in food science, LiFT (together with 2 colleagues from Lund University and Chalmers), 20%
- 2015-2016 **Member of the Faculty board**, NJ-faculty, SLU

## GRANTS (selected)

- 2012- Obtained > 70 mSEK as PI from The Swedish Research Council, FORMAS, VINNOVA, EU and Industrial foundations, and about 150 mSEK as co-applicant.
- 2019-2024 LONGITOOLS- Dynamic longitudinal exposome trajectories in cardiovascular and metabolic Non-communicable diseases. EU project (HZ2020). Main applicant (MA): Dr. Sylvain Sebert. (11.8 mEuro) (0.45 mEuro to Rikard Landberg (RL)).
- 2018-2020 New strategies for prevention of life-style related diseases through alterations of diet and microbiota. The Swedish Research Council (VR). MA: Rikard Landberg (RL) 2.89 mSEK. Diet x gut microbiome-based metabolotypes to determine cardio-metabolic risk and tailor intervention strategies for improved health. EU JPI-INTIMIC project. MA: RL. 3.634 mSEK (tot. 7.6 mSEK)
- 2018-2022 Molecular profiling of the Central Swedish Cohorts & Biobank: Entering precision medicine for healthy ageing. VR. MA: Karl Michäelsson. Co-A: RL. 29.8 mSEK (8.5mSEK to RL). Swedish Infrastructure for Medical Population-based Life-course and Environment Research (SIMPLER, called Swedish Central Cohorts and Biobank). The Swedish Research Council (VR-RFI). Main applicant: Karl Michäelsson. Co-applicant: RL. 55 mSEK (10 mSEK to RL).
- 2017-2020 Proteomics and metabolomics in a prospective cohort study- towards precision medicine. Olle Engkvist Foundation. MA: Karl Michäelsson. Co-A: RL. 5 mSEK (0.9 mSEK to RL).
- 2018-2020 Microbiome-centered strategies to promote development of the immune system in suckling pigs. Formas. MA: Johan Dicksved. Co-A: RL. 3 mSEK (0.3 mSEK to RL).
- 2016-2020 Optimal diet guided by metabolotype for health & wellbeing. 2016-2020. Formas. MA: RL. 10 mSEK.
- 2016-2020 Start-up grant. Chalmers Foundation & Chalmers. MA: RL. 15 mSEK.
- 2015-2017 Whole Grain Rye Foods for Weight and Body Fat Reduction- The RyeWeight Study. Formas. MA: RL. 6.46 mSEK.
- 2013-2016 RyeClaim. Innovative rye-based foods with documented health effects. 2013-2016. Vinnova. MA: RL. 3.25 mSEK (total budget 7.5 mSEK).

- 2013-2015 The Role of whole grain in the prevention of type 2 diabetes in a Nordic population and for patients with type 2 diabetes. VR. MA: RL. 2.3 mSEK.
- 2013-2015 Alkylresorcinols in Adipose Tissue Biopsies as Novel Biomarkers of Long-term Whole Grain Intake. Formas. MA: RL. 3.4 mSEK.
- 2013-2017 Co-applicant of grants from World Cancer Research Fund, Danish Board for Research and Innovation corresponding to about 18 mSEK.
- 2012-2019 Direct funding from Industry and industrial foundations: ~8 mSEK

## **SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS**

### *PhD-students*

- 2007-2012 Matti Marklund (co-supervisor since 2009), graduated 2012-05. Currently: Ass. Prof. Tufts Univ. Boston, USA.
- 2010-2017 Roksana Wierzbicka (main supervisor since 2012), graduated 2017-02 24. Currently: Maternity leave
- 2012-2016 Isabella Lee (main supervisor), graduated 2016-02- (Fil lic.). Currently: Analyst Ipsos, Stockholm
- 2012-2017 Daniel Johansson (co-supervisor), graduated 2017-01-25. Currently: Researcher, SLU, Uppsala
- 2012-2017 Huaxing Wu (main supervisor), graduated 2017-09-06. Currently: Senior Scientist, New Hope Dairy, Xian China
- 2013-2017 Lin Shi (main supervisor), graduated 2017-12-11. Currently: Postdoc Chalmers and Assoc. Prof. Xiean, China
- 2014-2019 Ashenafi Chaka Tuffa (co-supervisor), graduated 2016 (fil lic.), PhD in 2019-01-24. Currently: Scientist, Ethiopia
- 2014-2019 Anne Kirstine Eriksen (main supervisor), graduated 2019-05-03. Currently: Postdoc at Danish Cancer Society
- 2014-2018 Adila Nor Mhd Omar (main supervisor, KI), planned PhD-defence in 2020.
- 2016-2020 Kia Nöhr Iversen (main supervisor), planned PhD-defence in 2020
- 2016-2020 Agnetha Rostgaard- Hansen (main supervisor), planned PhD-defence in 2020
- 2017-2021 Elise Nordin (co- supervisor), planned PhD-defence in 2021
- 2017-2021 Rui Zheng (co-supervisor), planned defence in 2021
- 2019-2023 Viktor Skantze, (main-supervisor), planned defence in 2020
- 2019-2021 Marie Terese Barlebo Madsen (Copenhagen University), (co-supervisor), planned defence in 2021

### *Postdocs*

- 2013-2016 Carl Brunius (1.5 y parental leave, computational metabolomics). Currently: Senior Scientist at Chalmers
- 2015-2016 Kun Xue (based in Shanghai, a dietary intervention study). Currently: Lecturer and MD, Fudan University
- 2017-present Izabela Biskup (dietary interventions and nutritional metabolomics).
- 2017-2018 Ken Cheng (nutritional metabolomics). Currently: Scientist, WEBIO Medical Laboratory, China
- 2017-2018 Huaxing Wu (targeted metabolomics). Currently: Senior Scientist, New Hope Dairy, Xian China
- 2017-2019 Mohsen Mazidi (computational metabolomics). Currently: Scientist Kings' College London
- 2017-2018 Rudi Verspoor (nutritional properties of insects), part-time visiting postdoc. Currently: Postdoc Univ. Liverpool
- 2018-present Marie Palmnäs (nutritional metabolomics)
- 2018-2019 Karin Jonsson (whole grains and health)
- 2019-present Nanna Hjort Vidkjaer (metabolomics and dietary biomarkers)

### *Senior scientists/scientists*

- 2016- Assoc. Prof. Carl Brunius (Computational Metabolomics)
- 2019-2020 Dr. Ali Kazemi (drug development, systems biology and entrepreneurship)

### *Students*

- 2009- 29 (9 MSc and 17 BSc/ERASMUS/Internships)

## **COMMISSIONS OF TRUST**

- 2019- Editorial board of Frontiers in Nutrition
- 2018- Editorial board of The Journal of Nutrition
- 2017- External evaluator of a researcher position in food science at DTU (2019), senior lecturer position in nutrition, Sahlgrenska Academy, (2018) University of Gothenburg, an Associate lecturer position in metabolomics, Örebro University (2018), External evaluator of a senior scientist position in nano-food technology, DTU (2017)
- 2017- External evaluator of PhD-thesis, Food Chemistry, University of Turku, Finland (2017), Nutritional metabolomics, University of Copenhagen (2018), PhD-thesis in Medicine, Oulo University (2019)
- 2014-2018 Co-chair of working group 1 of COST-action (POSITIVE)
- 2011-2016 Director of Studies of the National Research School in Food Science (LiFT) and Food in Focus (Research School at the NL-faculty)
- 2016- Faculty opponent for doctoral dissertation of Markus Stenemo- Molecular Epidemiology of Cardiovascular Disease, Uppsala University (2019), Gao Xian- Untargeted metabolomics and data

analysis strategies to discover biomarkers, University of Copenhagen (2018), MD Eva-Lena Stenblom, Med. Fak. Lund University, “Intestinal regulation of hunger and reward- studies with thylakoids” (2017), Tannaz Ghaffarzagdegan, “Regulation of bile acids by prebiotic food components-Studies in rat caecum and in serum of mice and humans” LTH, Lund University (2018)

- 2014- Examination committee member of 13 PhD-dissertation (SLU, UU, LU, LTH, Sahlgrenska Academy, Chalmers) and external examiner on 1 lic-thesis (Chalmers)
- 2014- Scientific Evaluation Committee member of ERA-HDHL call for Joint Transnational Research Proposals on “Biomarkers for Nutrition and Health”, Reviewer of grant proposals for World Cancer Research Fund (WCRF/AICR), Academy of Finland, Austrian Research council, The Research Council of Norway, the BBSRC Bioscience for the future, AgreenSkills + fellowships, Health and Medical Research Fund, The Government of, Hong Kong, Diabetes UK
- 2006-present Ad hoc reviewer of about 40 papers/year submitted to major journals in food science, nutrition, analytical biochemistry and medicine.

### **TRACK RECKORD**

**Total publications:** 120, total citations: 3200. *h*-index: 28 (ISI web of science)

**Invited talks:** 23 invited talks on dietary biomarkers, whole grains and health, metabolomics and personalized nutrition (whereof 18 between 2012–present)

**Popular Science and dissemination:** Written > 40 popular science articles for Magazines, debate articles in the major Swedish Newspapers (DN and SVD), interviewed about own and others research in national and regional newspapers, radio and TV. Participated in state visits and high-level meetings. Participated in the Science Festival in Gothenburg, panels and popular science cafés and talk-shows at different locations. One of our last paper reached 350 million people world-wide through publicity in major media all across the world.

### **Organizing of international conferences**

- 2018 Co-founder of Nordic Metabolomics Society
- 2017 Chair of the scientific committee of the *Swedish Metabolomics Conference*.
- 2016 Chair of the scientific Program Committee of Uppsala Health Summit for 2016 ([www.uppsalahealthsummit.se](http://www.uppsalahealthsummit.se))
- 2016 Organizer of the international Symposium “The Chemistry behind health effects of grains” at the 252nd ACS meeting and exposition, August 21-25.

### **PRIZES/ AWARDS/ ACEDEMY MEMBERSHIPS**

- 2019 Chalmers Foundation’s Prize 2019
- 2018-2023 Elected member of the Young Academy of Sweden (<http://www.sverigesungaakademi.se/en-GB/1.html>)
- 2018- National Committee of Nutrition and Food Science, The Royal Swedish Academy of Sciences
- 2013 Benzelius award, Royal Swedish Science Society in Uppsala
- 2011 Druvan research prize. Per Håkansson’s foundation
- 2010 Research prize by Skånska Lantmännen: Researcher of the year.