

CURRICULUM VITAE

1 NAME Jan-Bernd Stukenborg

2 BIRTH DATA 1977-09-07

3 ADDRESS Residence: Hjälstaleden 7, 74693 Bålsta, Sweden
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5 COURSES & DEGREES

Oct. 2005-

Feb. 2009 PhD-studies (biology), supervision: Prof Dr E. Liebau, Institute of Animal Physiology, Department of Molecular Physiology, & Prof Dr S. Schlatt Centre of Reproductive Medicine and Andrology (CeRA), University of Münster, Münster, Germany

Sep. 2005 Diploma-thesis (Master thesis; biology (main subject: zoology)), CeRA, University of Münster, Münster, Germany & University of Pittsburgh, Pittsburgh, PA, USA, supervision: Prof Dr S. Schlatt, Prof Dr M. Bähler

2001-2005 Study of biology, University of Münster, Münster, Germany

6 DOCTORAL DEGREE

2009 Biology (Reproductive Biology), grade: Magna cum laude (1.0); Title: “*In vitro* differentiation of male germ cells”, CeRA, University of Münster, Münster, Germany; committee: Prof Dr E. Liebau; Prof Dr S. Schlatt, Prof Dr W.M. Weber

7 POSTDOC APPOINTMENTS

2010 - 2013 Research fellow of the German Research Foundation (DFG) at the Department of Women’s and Children’s Health, Paediatric Endocrinology Unit, Karolinska Institutet; supervision: Prof em. O. Söder

Apr 2009 –

Feb. 2010 Postdoctoral researcher at the Department of Women’s and Children’s Health, Paediatric Endocrinology Unit, Karolinska Institutet; supervision: Prof em. O. Söder

8 DOCENT-LEVEL COMPETENCE

2016 Docent (Reproductive Biology); Department of Women's and Children's Health, Karolinska Institutet

9 CURRENT POSITION

Apr. 2026 Professor of Molecular Cell Biology, Department of organismal biology, Uppsala University

Aug. 2024 - Group leader, Nordfertil research lab Uppsala, Department of organismal biology, Uppsala University

10 PRIOR POSITIONS

Aug. 2024 –

Mar. 2026 Associate Professor (assoc. Prof.) in Biology with specialization in animal physiology (permanent position; 20% teaching, 80% research), Department of organismal biology, Uppsala University

Jun. 2021 –

Jun. 2025 Senior Lecturer (assoc. Prof) in Experimental Reproductive Biology and Medicine (permanent position; 100% research), Childhood Cancer Research Unit, Department of Women's and Children's Health, Karolinska Institutet

Apr. 2019 –

Jun. 2025 Group leader, Childhood Cancer Research Unit, Department of Women's and Children's Health, Karolinska Institutet

Jan. 2019 –

May 2021 Senior researcher in Reproductive Physiology (permanent position; 100% research)

Mar. 2013 –

Dec. 2018 Senior research specialist; Department of Women's and Children's Health, Karolinska Institutet

11 TIME DEDUCTED FROM ACTIVE RESEARCH TIME

12 SUPERVISION OF GRADUATE STUDENTS**12.1 PhD candidates supervised up to the defence of the candidate's doctoral thesis, with the applicant serving as *main supervisor***

1. Hajar Ali Mohammed Ba Omar, Karolinska Institutet,

Title: "Effects of haematological and oncological diseases on spermatogonial stem cell populations in boys." Registration: 2018-11-19, halftime seminar:

- 2024-05-07, defence: 2025-11-14; main supervisor: Jan-Bernd Stukenborg, PhD (Karolinska Institutet & Uppsala University, Sweden); co-supervision: Kirsi Jahnukainen, MD, PhD (Karolinska Institutet, Sweden), Nikolas Herold, MD (Karolinska Institutet, Sweden)
2. Femke Hartevelde, Karolinska Institutet,
Title: “Shedding light on human gonadal development: perspectives from *in vitro* models for fertility preservation” Registration: 2020-10-01, halftime seminar: 2023-12-01, defence: 2025-06-05; main supervisor: Jan-Bernd Stukenborg, PhD (Karolinska Institutet & Uppsala University, Sweden); co-supervision: Kirsi Jahnukainen, MD, PhD (Karolinska Institutet, Sweden), Susana Chuva de Sousa Lopes, PhD (Leiden University, The Netherlands)
 3. Yifan Yang, Karolinska Institutet,
Title: “Effects of medical treatments of gonadal development in boys – Strategies for quantifying and maintaining spermatogonia.” Registration: 2020-03-01, halftime seminar: 2023-12-01, defence: 2025-05-21 main supervisor: Jan-Bernd Stukenborg, PhD (Karolinska Institutet & Uppsala University, Sweden); co-supervision: Kirsi Jahnukainen, MD, PhD (Karolinska Institutet, Sweden), Jingtao Guo, PhD (Chinese Academy of Sciences, Beijing, China)
 4. Yanhua Cui, Karolinska Institutet,
Title: “Advancements in testicular organoid research: insights for fertility preservation.” Registration: 2018-11-19, halftime seminar: 2021-09-18; defence: 2024-10-18; main supervisor: Jan-Bernd Stukenborg, PhD (Karolinska Institutet & Uppsala University, Sweden); co-supervision: Kirsi Jahnukainen, MD, PhD (Karolinska Institutet, Sweden), Michael Landreh, PhD (Karolinska Institutet & Uppsala University, Sweden)
 5. Magdalena Kurek, Karolinska Institutet
Title: “Human induced pluripotent stem cells differentiation towards the male germ cell lineage.” Registration: 2015-01-19; halftime seminar: 2017-05-31; defence: 2019-10-25, main supervisor: Jan-Bernd Stukenborg, PhD (Karolinska Institutet, Sweden); co-supervision: Olle Söder, MD, PhD (Karolinska Institutet, Sweden), Rod Mitchell, MD, PhD (University Edinburgh, UK), Sarita Panula, PhD (Karolinska Institutet, Sweden)
 6. Halima Albalushi, Karolinska Institutet
Title: “The origin and fate of human germ cells.” Registration: 2014-04-22; halftime seminar: 2016-08-31; defence: 2018-11-16, main supervisor: Jan-Bernd Stukenborg, PhD (Karolinska Institutet, Sweden); co-supervision: Olle Söder, MD, PhD (Karolinska Institutet, Sweden); Outi Hovatta, MD, PhD (Karolinska Institutet, Sweden); Elisabet Åkesson, MD, PhD (Karolinska Institutet, Sweden)
 7. João Pedro Alves Lopes, Karolinska Institutet

Title: “Novel culture systems to model testicular function and organization.”
 Registration: 2015-01-19; halftime seminar: 2017-06-07; defence: 2018-08-31,
 main supervisor: Jan-Bernd Stukenborg, PhD (Karolinska Institutet, Sweden);
 co-supervision: Olle Söder, MD, PhD (Karolinska Institutet, Sweden), Ellen
 Goossens, PhD (VUB, Belgium)

8. Ahmed Reda, Karolinska Institutet

Title: “Artificial testis to study early gonadal development and germ cell
 differentiation.” Registration: 2012-04-24; halftime seminar: 2014-06-03;
 defence: 2016-09-30; main supervisor: Jan-Bernd Stukenborg, PhD
 (Karolinska Institutet, Sweden); co-supervision: Olle Söder, MD, PhD
 (Karolinska Institutet, Sweden); Kirsi Jahnukainen, MD, PhD (Karolinska
 Institutet, Sweden & University of Helsinki, Finland)

**12.2 PhD candidates supervised up to the defence of the candidate’s doctoral thesis,
 with the applicant serving as *co-supervisor***

1. Bethel Embaie, Karolinska Institutet,

Title: ”Delineating cellular heterogeneity of neuroblastoma for identifying
 therapeutically targetable vulnerabilities.” Registration: 2021-01-20, halftime
 seminar: 2023-02-03, defence: 2025-05-07; main supervisor: Ninib Baryawno,
 PhD (Karolinska Institutet, Sweden), co-supervision: John Inge Johnsen, PhD
 (Karolinska Institutet, Sweden), Malin Wickström, PhD (Karolinska Institutet,
 Sweden), Jan-Bernd Stukenborg, PhD (Karolinska Institutet & Uppsala
 University, Sweden)

2. Mina Nikolova Mincheva, University of Münster, Germany

Title: “Interaction of male gonadal cell types in differentiation cell culture”
 Registration: 2015-01-01; defence: 2018-03-15; main supervisor: Stefan
 Schlatt, PhD (University of Münster, Germany), co-supervision: Sylvia Kaiser,
 PhD (University of Münster, Germany), Jan-Bernd Stukenborg, PhD
 (Karolinska Institutet, Sweden)

3. Sarita Panula, Karolinska Institutet

Title: “Differentiation and characterization of human iPSC derived germ cells
 and the derivation of patient specific iPSC lines for the study of infertility.”
 Registration: 2009-11-12; halftime seminar: 2012-09-18; defence: 2015-06-09;
 main supervisor: Outi Hovatta, MD, PhD (Karolinska Institutet, Sweden); co-
 supervision: Olle Söder, MD, PhD (Karolinska Institutet, Sweden); Jan-Bernd
 Stukenborg, PhD (Karolinska Institutet, Sweden), Renee Reijo Pera (Stanford
 University, USA)

**12.3 Ongoing supervision of a PhD candidate, with the applicant serving as *main
 supervisor***

12.4 Ongoing supervision of a PhD candidate, with the applicant serving as *co-supervisor*

1. Shruthivishali M, Manipal Academy of Higher Education, Manipal, India,
Title: “Optimizing oncofertility: evidence-based protocols for cryopreservation of germ cells/gonadal tissue in adolescent cancer patients.” Registration: 2024-04-15, main supervisor: Satish Kumar Adiga, PhD (Manipal Academy of Higher Education, India), co-supervision: Ananth Pai, PhD (Manipal Academy of Higher Education, India), Jan-Bernd Stukenborg, PhD (Karolinska Institutet & Uppsala University, Sweden)
2. Ieva Masliukaite, University of Amsterdam, The Netherlands
Title: “Propagation of human SSCs”. Registration: 2015-10-20; defence: 2026-04-22, main supervisor: Ans M. M. van Pelt, PhD (University of Amsterdam, The Netherlands), co-supervision: Sjoerd Repping, MD, PhD (University of Amsterdam, The Netherlands), Jan-Bernd Stukenborg, PhD (Karolinska Institutet, Sweden).
3. Melanie Poganitsch-Korhonen, University of Helsinki, Finland;
Title: “Male fertility, late morbidity and ageing after childhood cancer”
Registration: 2014-09-24; planned defence: HT 2025, main supervisor: Kirsi Jahnukainen, MD, PhD (University of Helsinki, Finland), co-supervision: Jan-Bernd Stukenborg, PhD (Karolinska Institutet, Sweden)

12.5 Postdoc supervision

1. FERIA Hikmet Noraddin, PhD, Title of PhD thesis: “Spatial characterization of proteins in reproductive tissues: Insights into health and disease states.” Uppsala University (2024), Post-Doc (2025-10-01 – ongoing) at the Department of organismal biology, Uppsala University, Sweden
2. Yanhua Cui, PhD, Title of PhD thesis: “Advancements in testicular organoid research: insights for fertility preservation.” Karolinska Institutet (2024), Post-Doc (2024-11-06 – ongoing) at the Department of organismal biology, Uppsala University, Sweden
3. Rageia Elfageih, MSc, PhD, Title of PhD thesis: “Production and folding of proteins in the periplasm of *Escherichia coli*” Stockholms University (2021), Post-Doc (2021-09-01 – 2023-08-31) at the Department of Women’s and Children’s Health, Childhood Cancer Research Unit at the Karolinska Institutet, Sweden
4. João Pedro Alves Lopes, MSc, PhD, Title of PhD thesis: “Novel culture systems to model testicular function and organization.” Karolinska Institutet; First post-doctoral studies (2018-10-01 until 2022-01-31) at A. Surani’s laboratories at the Gurdon Institute at Cambridge University, UK.

Senior post-doc (2022-02-01 – 2022-12-31) at the Department of Women's and Children's Health, Childhood Cancer Research Unit at the Karolinska Institutet, Sweden

5. Luise Landreh, MD, PhD, Title of PhD thesis: "Identification and characterization of stem Leydig cells in the testis" Karolinska Institutet (2014), Post-Doc (2019-05-01–ongoing) at the Department of Women's and Children's Health, Childhood Cancer Research Unit at the Karolinska Institutet, Sweden
6. Elizabeth Oliver, MSc, PhD, Title of PhD thesis: "Investigating the role of TGFB signalling in preantral follicle development". Imperial College London, UK (2018), Post-Doc (2018-05-07– 2021-08-30) at the Department of Women's and Children's Health, Childhood Cancer Research Unit at the Karolinska Institutet, Sweden;
7. Kristín Rós Kjartansdóttir, MSc, PhD, Title of PhD thesis: "*In vitro* differentiation of male germ cells from human embryonic stem cells"; Faculty of Health Sciences, Aarhus University, Denmark (2011); Post-Doc (2012-01-01–2013-11-30) at the Department of Women's and Children's Health, Paediatric Endocrinology Unit at the Karolinska Institutet, Sweden;

12.6 Supervision of other researchers who have defended a thesis

João Pedro Alves Lopes, MSc, PhD, Assistant Professor (Starting grant of the Swedish Research Council), at the Department of Women's and Children's Health, Childhood Cancer Research Unit at the Karolinska Institutet, Sweden

13 EVALUATION OF OTHERS' WORK

13.1 Editor of scientific journals

Guest editor- *Frontiers in Endocrinology* - Research advances in male fertility: New horizons for investigating human testicular function and development of clinical fertility preservation approaches (2021/2022)

13.2 Member of an editorial board

1. Associate Editor **Andrology** (2023-2025) [Online ISSN 1460-2407; Print ISSN 1360 9947] Oxford University Press
2. Associate Editor **Molecular Human Reproduction** (2022-2025) [Online ISSN 1460-2407; Print ISSN 1360 9947] Oxford University Press
3. Review Editor **Frontiers in Endocrinology** (2017-2022)
4. Associate Editor **Human Reproduction** (2017-2021) [Online ISSN 1460-2350; Print ISSN 0268-1161] Oxford University Press
5. Editorial board member of the "**Journal of Andrology & Gynaecology**" [ISSN 2332-3442] AVENS PUBLISHING GROUP (2014-2017)

13.3 Referee for scientific journals

Since 2009 ad hoc referee for more than 45 international peer-reviewed scientific journals (e.g., Stem Cell Reports, Human Reproduction Update, Human Reproduction, Molecular Human Reproduction, Nature Reviews Urology, Nature Communication, Biofabrication, npj Microgravity, Advanced Sciences, Acta Biomaterialia, ALTEX, PNAS).

14 MEMBERSHIPS/ COMMITTEES

14.1 Currently, member of six national/international societies with the focus of reproduction, andrology and oncology (EAA, DGA, ISIVF, ESHRE, SAF, NOPHO)

1. Coordinator of the ESHRE Special Interest Group “Stem cells” (since 2024)
2. Board member of the Swedish Andrology Society (SAF) (since 2022)
3. Deputy member of the ESHRE Special Interest Group “Stem cells” (2022-2024)
4. Member of the International Society for In Vitro Fertilization (ISIVF) special interest group (SIG) Fertility Preservation (since 2020)
5. European Academy of Andrology (EAA) associated member (2013-2018), academician (since 2018)
6. Basic Science Officer of the ESHRE Special Interest Group “Fertility Preservation” (2017-2019)
7. Nordic Society of Paediatric Haematology and Oncology (NOPHO) Scientific Committee member (2015-2016)
8. NOPHO board member since 2014-2016
9. European Society of Human Reproduction and Embryology (ESHRE) member (since 2014)
10. International Society of Fertility Preservation (ISFP) member (since 2013)
11. German Society of Andrology (DGA) member (since 2013)
12. YOUNG NOPHO member (2012-2016, board member 2013-2016)
13. NOPHO member (since 2011) (active member: “germ cell tumour” and “late effects” group)
14. Founding and board member (2006-2013) “International Network for Young Researchers in Male Fertility”

14.2 Additional Contribution to professional societies in Andrology and Reproductive biology

- Since 2025 Member of the Scientific committee of the Centre for Reproductive Biology in Uppsala (CRU), Uppsala, Sweden
- 2023-2024 Chair of the local organizing committee of the upcoming 13th European Congress of Andrology 2024, Stockholm, Sweden

- 2021-2022 Chair (basic science) of the program organizing committee of the 12th European Congress of Andrology, Barcelona, Spain
- Since 2015 Member of the “International Liaison and Publicity Subcommittee” of the EAA
- 2014-2018 Dissemination manager of the EU-ITN consortium “GROWSPERM”
- 2014-2016 YOUNG NOPHO coordinator (chairman)
- 2014-2016 NOPHO board member
- Since 2013 Founding member of the “Nordic Network for Fertility Preservation in Boys after Childhood Cancer” (NORDFERTIL) and responsible for the research organization within the network (research coordinator/ project manager since 2013).
- 2006-2013 Founding and board member of the “International Network of Young Researchers in Male Fertility (today’s Network for Young Researchers in Andrology)

16 LANGUAGE SKILLS

German: native; English: fluent; Swedish: very good (**Common European Framework of Reference for Languages (CEFR): C1-level**)