

Curriculum Vitae: Jes Kristian Jørgensen

Born October 22, 1975 in Copenhagen, Denmark.

Married with three children

Professional address:

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Group homepage: <http://youngstars.nbi.dk>

Employment

01/2010-	Associate professor (lektor), Univ. Copenhagen Niels Bohr Institute and Natural History Museum of Denmark <i>Tenured since 10/2013</i>
06/2007-12/2009	Staff scientist, Argelander Institute for Astronomy, Univ. Bonn, DE
10/2004-05/2007	Postdoctoral fellow, Harvard-Smithsonian Center for Astrophys., US
11/2000-09/2004	Ph.D. student, Leiden Observatory, Leiden University, NL

Education, Awards and Recognition

Ph.D. astronomy, Leiden University	10/2004
M.Sc. astronomy, University of Copenhagen	11/2000
B.Sc. physics & astronomy, University of Copenhagen	06/1998
Silver-medal of The Royal Danish Academy of Sciences and Letters ¹	11/2015
European Research Council (ERC) Consolidator Grant	01/2015
Lundbeck Foundation Junior Group Leader Fellowship	01/2011
Hubble Fellowship (awarded but declined)	02/2007

Achievements

- 175 papers in international, peer-reviewed journals (24 as first author). Total ~8700 citations (*h-index* of 55) as of November 2018 according to the SAO/NASA Astrophysics Data System (Google Scholar: ~10500 citations; *h-index* of 59).
- 33 invited/review talks at international conferences.
- Invited to write major review on the complex chemistry of young stars for the 2020 edition of Annual Reviews of Astronomy and Astrophysics
- 32.7 MDKK (4.4 MEuro) brought in as PI on funding applications (2009–current).
- Primary supervisor for 9 Ph.D. students, 10 M.Sc. students, 10 post docs since 2010.
- PI or leading co-I on a number of large observing programs at highly competitive international facilities.
- Invited or elected member of a number of international committees – e.g., the European Southern Observatory (ESO) Science and Technology Committee, the organising committee for division H2 of the International Astronomical Union and the management committee for EU COST action CM1401 “Our Astro-Chemical History”.

¹ Awarded each year to a young (< 40 years old) researcher for excellent achievements within the basic sciences (alternating every other year between natural science and the humanities).

Leadership: Funding proposals

- European Research Council (ERC) Consolidator Grant: 15 MDKK (2 M€) granted from the ERC (2015-2020).
- Lundbeck Junior Group Leader Fellowship: 10 MDKK (1.34 M€) granted from Lundbeck Foundation (2011-2015).
- PI for program: “Adaptable Radiative Transfer Innovations for Submillimeter Telescopes (ARTIST)” with collaborators at Univ. Bonn, CSIC Barcelona and Univ. Leiden at the first call for proposals within the European ASTRONET initiative: “Common Tools for Future Large sub-mm Facilities”. In total 4.5 MDKK (605 k€) granted from the German, Spanish and Dutch research agencies combined (2009-2011).
- PI for program: “Exploring the Origins of Stars and Planets” at the call for “A Danish National Submillimeter Initiative” by the Instrument Center for Danish Astrophysics (IDA). 3.2 MDKK (440 k€) granted from IDA (2010-2011)

Professional and organisational responsibilities

- Member of organising committee for IAU Commission H2 “Astrochemistry” (2015-)
- Member of the European Southern Observatory (ESO) Science and Technology Committee (STC; 2015-)
- Member of the European ALMA Science Advisory Committee (ESAC; 2011-).
- Member of the management committee for EU COST action CM 1401 “Our Astrochemical History”, co-leader of the “Isotope working group” (2015-2018)
- Member of the executive committee of the board for Instrument Center for Danish Astrophysics (2014-)
- Member of editorial board of “The Star Formation Newsletter” (2012-).
- Member of the Centre for Star and Planet Formation coordinating committee (01/2010-)
- Founding member of advisory group for the Nordic ALMA Regional Centre node (2010-2013)
- ALMA Review Panel member (2015-2017)
- Panel member ESO program committee (2010)
- Member of the Swedish APEX and Onsala 20m time allocation committee (2013-)
- SOC+LOC chair for conferences held at University of Copenhagen: “Nordic Workshop on ALMA First Science Opportunities” (08/2010), “Astrochemistry in the ALMA era” (01/2013), “Nitrogen Fractionation in Space” (11/2017)
- SOC chair of Nordic Summer School: “Young Stars across Time and Wavelengths” (Tuorla, Finland; 06/2011)
- Reviewer for funding proposals for the European Research Council, the French National Research Agency (ANR), the Swedish National Space board and others
- Regular reviewer for international Journals, e.g., Nature, The Astrophysical Journal, Astronomy & Astrophysics, Monthly Notices of the Royal Astronomical Society

Teaching and outreach

- Univ. Copenhagen: “Interstellar Medium and Star Formation” (M.Sc. level; 7.5 ECTS; sole course responsible, 2016–),
- Univ. Copenhagen: “Observational Astrophysics” (M.Sc. level required; 7.5 ECTS; shared with Darach Watson, 2016–), “
- Univ. Copenhagen (*previous*): “Solsystemet, Stjerne- og Planet-dannelse” (B.Sc.; 2014-2016), “Astronomical Spectra” (M.Sc.; 2012-2015) + occasional guest lectures in other courses.
- Univ. Bonn: “Star Formation” (M.Sc.; 7.5 ECTS; 2009), “Practical Interferometry” (M.Sc.; 7.5 ECTS; 2007, 2008)
- Teacher at schools: “Life on Earth and Beyond: The History and Philosophy of the Origin of Life” (Hven, Sweden, May 2015), StarPlan Ph.D. school “Origin of planetary systems” (Copenhagen, Denmark, December 2012), “Young Stars across Time and Wavelengths” (Tuorla, Finland, June 2011)
- Regular outreach activities with lectures in various public venues such as Open University (“Folkeuniversitetet”), Copenhagen Culture Night, the annual Niels Bohr Institute day for physics teachers, often in amateur astronomical societies and more
- Teaching assistant at Univ. Copenhagen (1999) and Univ. Leiden (2001-2003)

Supervision of students and post docs

- Post docs/assistant professors: Will Robson Rocha (2018–), Lars Kristensen (assistant professor; 2016–), Hannah Calcutt (2015–), Per Bjerke (2013–2016), Matthijs van der Wiel (2014–2016), Audrey Coutens (2013–2015), Susanne Wampfler (2012–2016), Christian Brinch (2012–2014), Suzanne Bisschop (2010–2013), Odysseas Dionatos (2010–2012), Cecile Favre (with David Field, IFA Aarhus; 2010–2012)
- Ph.D. students: Giulia Perotti, Sigurd Jensen, Sébastien Manigand, Elizabeth Artur, Steffen Kjær Jacobsen (grad. 07/2018, Julie Lykke (grad. 03/2016), Søren Frimann (grad. 03/2016, Johan Lindberg (grad. 12/2013), Magnus Persson (grad. 06/2013).
- Supervisor of ten M.Sc. students at Univ. Copenhagen and one at Univ. Bonn.
- Assisting supervision of Ph.D. students Daniel Harsono, Dave Lommen, Christian Brinch, Tim van Kempen, Suzanne Bisschop at Univ. Leiden + undergrad. projects at Univ. Leiden and CfA