

Curriculum Vitae

Jean-Luc Lehnrs

Born	27 January 1978	Tel.	+49 331 5677316
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Current Position

2010-now **Max-Planck-Institute for Gravitational Physics**
Albert-Einstein-Institute
Leader of the ERC Research Group in Theoretical Cosmology

Positions Held

2010 **Perimeter Institute for Theoretical Physics**
Postdoctoral Fellow

2007-2010 **Princeton University - Princeton Center for Theoretical Science**
Postdoctoral Fellow

2005-2007 **University of Cambridge - DAMTP**
Research Associate

Education

2001-2005 **Imperial College London - PhD Physics**
Advisor: Professor K.S. Stelle
Thesis entitled "Braneworlds from Supergravity"

2000-2001 **University of Cambridge - Part III Mathematics**
Grade: Distinction

1997-2000 **Imperial College London - BSc Physics with Theoretical Physics**
Grade: First Class Honours

1990-1997 **Lycée Michel Rodange, Luxembourg**
Grade: Très bien

Languages

Fluent in English, French, German and Luxembourgish

Third-Party Funds

- 2017-2023 **ERC Consolidator Grant**
Project title: Quantum Effects in Early Universe Cosmology (CoG 772295)
Value: 1.24 million €
Project dates: 01.09.2018 – 31.08.2023
- 2010-2015 **ERC Starting Grant**
Project title: String Cosmology and Observational Signatures (StG 256994)
Value: 1.14 million €
Project dates: 01.12.2010 – 30.11.2015

Awards and Scholarships

- 2017-2019 **Grant of the Max Planck Society**
Awarded for an extension of the Theoretical Cosmology group.
Value: 565'000 €
- 2015-2017 **Grant of the Max Planck Society**
Awarded for an extension of the Theoretical Cosmology group.
Value: 460'000 €
- 2010 **Prix Lions**
Prize awarded yearly by the Lions Club Luxembourg for cultural or scientific merits
- 2009 **Gravity Research Foundation Essay Competition – Honorable Mention**
Essay *The Return of the Phoenix Universe*, with P. Steinhardt and N. Turok
- 2002-2005 **Bourse Formation Recherche**
Awarded by the Luxembourg Ministry of Culture, Higher Education and Research
- 2002 **Valerie Myerscough Prize**
University of London
- 2001-2004 **PPARC Scholarship**
- 2001 **King's College Scholarship**
King's College Cambridge
- 2000-2001 **Chevening Scholarship**
British Council
- 2000 **Governor's BSc Prize in Physics**
Best final year Physics student, Imperial College
- 1999 **Staff Prize**
Best second year Physics student, Imperial College
- 1999 **Stanley Raimes Memorial Prize**
Awarded for outstanding performance in Mathematics at Imperial College
- 1998 **Matthews Memorial Prize**
Best first year Physics student, Imperial College

Supervision of Graduate Students

2019-	Caroline Jonas
2017-	Alice Di Tucci
2015-2019	Sebastian Bramberger
2013-2019	Enno Mallwitz
2013-2015	Anna Ijjas
2012-2016	Angelika Fertig

Supervision of Postdocs

2019-	Jérôme Quintin
2019	Ana Alonso Serrano
2018-2020	Sayantan Choudhury
2015-2019	Shane Farnsworth
2012-2015	Rhiannon Gwyn
2012-2014	Lorenzo Battarra
2011-2014	Michael Koehn

Teaching

2019	Quantum cosmology lectures, IMPRS programme, Mallorca, Spain
2016	Cosmology lecture course, Humboldt Universität, Berlin
2014	Lecturer, Autumn Blockkurs 2014, Graduiertenkolleg “Masse, Spektrum, Symmetrie”, Humboldt Universität, Berlin
2014	Lecturer at the Advanced String School 2014, organized by the Institute of Physics, Bhubaneswar, India
2014	Lecturer at the University of Sussex School “From Classical to Quantum GR”, Brighton, UK
2012	Lectures on “Cosmology” at the Jürgen Ehlers Spring School for 3 rd year undergraduates, Albert-Einstein Institute, Germany
2011	IMPRS Lectures on “Early Universe Cosmology” for graduate students, Albert-Einstein Institute, Germany
2009	Lecturer at the “Summer School on Particle Physics, Cosmology and Strings” at Perimeter Institute, Canada
2004-2005	Example classes for the Unification course at Imperial College London
2002-2004	Example classes for the General Relativity course at Imperial College London

Organization of Scientific Meetings

- 2017 *Connections between Cosmology, Strong Gravity and Quantum Theory*, Ringberg castle, February 15th – 18th
- 2016 *Emergent Space-time in Quantum Gravity and Fundamental Cosmology*, Albert Einstein Institute (AEI), September 26th – 29th
- 2014 *DESY Theory Workshop*, September 23rd – 26th
- 2014 *Quantum Gravity and Fundamental Cosmology II*, AEI, March 3rd- 6th
- 2013 *Quantum Gravity and Fundamental Cosmology*, AEI, March 5th- 8th
- 2011 *Challenges for Inflationary Cosmology*, Perimeter Institute, July 11th- 15th
- 2008-2009 *Big Bang and Beyond* (year-long program), Princeton Center for Theoretical Science

Institutional Responsibilities

- 2019- Ombudsperson for the Albert-Einstein-Institute
- 2015-2019 Colloquium organizer
- 2005-2007 Organizer of the weekly Cambridge Cosmology Lunches

Commissions of Trust

- 2019 Swiss National Science Foundation, member of the panel for COST projects
- 2016 Member of the Jury at the *Falling Walls Lab*, Berlin, November 8th
- 2012-2014 Member of the works council, Albert-Einstein-Institute
- 2011-2016 Member of the Advisory Board, Max Planck Partner Group on Cosmology and Gravity, Trivandrum, India

Invited Talks (selected)

- 2021 University of Montreal (online talk), March 22nd
- 2021 GQFI seminar, Albert Einstein Institute (online talk), February 17th
- 2020 Van Swinderen Institute Groningen (online talk), November 12th
- 2020 *Colloquium* Universidad di Santiago, Chile (online talk), November 5th
- 2020 *Colloquium* University of Sheffield (online talk), November 4th
- 2020 Utrecht University (online talk), May 8th
- 2020 University of Vienna (online talk), April 23rd
- 2020 Quantum Aspects of Spacetime and Matter (online talk), January 30th
- 2019 CP-3 Origins, University of Southern Denmark, September 23rd
- 2019 LPTHE, Université Sorbonne - Jussieu, Paris, September 17th
- 2019 Autonomous University of Barcelona, April 25th

2019 EPFL Lausanne, March 11th
 2018 *Colloquium*, Albert Einstein Institute, Hannover, December 13th
 2018 Quantum Universe conference, CECs, Valdivia, Chile, November 13th
 2018 Simons Summer workshop on Frontiers in Cosmology and Numerical
 General Relativity, Salzburg, July 7th
 2018 *Plenary Speaker*, 15th Marcel Grossmann meeting, Rome, July 2nd
 2018 University of Luxembourg, June 27th
 2018 Spring Cosmology meeting, DESY Zeuthen, May 18th
 2018 *Colloquium*, Heidelberg, May 3rd
 2018 Brussels, seminar, April 25th
 2018 University of Amsterdam, seminar, March 5th
 2017 Path Integral for Gravity, Perimeter Institute, November 14th
 2017 Columbia University, seminar, November 13th
 2017 Princeton University, gravity group seminar, November 10th
 2017 DESY Theory workshop, Hamburg, September 28th
 2017 Bouncing scenarios in cosmology, Perimeter Institute, June 28th
 2017 Bangs, Bounces, Black Holes and Bubbles, Princeton University, May 11th
 2017 MIT, joint Tufts/MIT seminar, March 14th
 2016 *Keynote talk*, Communicability and Cosmology, Humboldt University, July 7th
 2016 Cosmological Frontiers in Fundamental Physics, Perimeter Institute, June 15th
 2016 PCTS@10 workshop, Princeton University, May 6th
 2015 Selected Topics in Theoretical High Energy Physics, Tbilisi State University,
 Georgia, September 23rd
 2015 1st Erlangen Workshop on Cosmology and Quantum Gravity, February 11th
 2014 The Primordial Universe After Planck, Paris, December 18th
 2014 *Keynote talk*, Planck 2014 conference, Ferrara, Italy, December 3rd
 2014 *Colloquium*, MPI for the Physics of Complex Systems, Dresden, November 17th
 2014 Searching for Simplicity, Princeton University, May 15th
 2014 The Particle Physics and Cosmology of Supersymmetry and String Theory,
 New York City, March 20th
 2014 *Colloquium*, Virginia Tech, February 17th
 2014 Cosmology after Planck, DESY, Hamburg, January 28th
 2013 The Particle Physics and Cosmology of Supersymmetry and String Theory,
 Ludwig-Maximilians-Universität München, March 21st
 2013 *Colloquium*, DESY, Hamburg, January 30th
 2012 *Colloquium*, York University, Toronto, October 10th
 2012 Corfu summer institute, Workshop on String Theory, September 24th
 2012 New Ideas in Cosmology, University of Pennsylvania, March 17th
 2011 Cosmological Frontiers in Fundamental Physics, Paris, June 17th
 2011 AAAS meeting, Washington D.C., February 19th

Book

- 2018 *Die Erde ist mein Raumschiff*
Publisher: da Vinci, Luxembourg
ISBN: 978-99959-1-130-0
Popular science book for children, distributed by the Luxembourgish Ministry of Education to all school children in 6th grade (cycle 4.2) in Luxembourg

Popular Science Talks and Outreach Activities (selected)

- 2021 Radio interview Corax (youth radio), recorded March 23rd
2021 Radio interview SWR2, March 21st
2020 Haus der Astronomie (online talk), October 8th
2020 Science2Go, Potsdam Science Park (online talk), May 7th
2019 *Keynote Speech*, Ph.D. Graduation ceremony, University of Luxembourg, December 13th
2019 Grundschule im Bornstedter Feld, Potsdam, November 13th
2019 “LTIPS goes space”, Lycée Technique pour Professions de Santé, Luxembourg, June 24th
2019 Schroeder Award, Schroeder & Associés, Luxembourg, June 21st
2019 Bruno-H.-Bürgel Sternwarte, Berlin, March 22nd
2018 Presentation of my children’s book “*Die Erde ist mein Raumschiff*”, Science Center Differdange, Luxembourg, November 23rd
2018 ARD alpha Campus Talks, Wissenschaft auf den Punkt gebracht, recorded May 22nd and broadcasted October 23rd
2018 Inner Wheel Club Potsdam, May 8th
2018 Athénée, Luxembourg, April 30th
2018 Olbers-Gesellschaft Bremen, April 17th
2017 Foundation for Young Scientists Luxembourg, October 5th
2017 Editorial on the big bang for “Newsweek”, www.newsweek.com, June 19th
2017 Grundschule im Bornstedter Feld, Potsdam, March 23rd
2016 Astronomy club Vega, summer camp, St Andreasberg, August 12th
2016 Montessori Primary School, Potsdam, July 4th
2015 Lunchpaket, science and dance performance, with choreographer/dancer Dr. Linda Gieres, Bildungsforum Potsdam, November 11th
2015 Primary school, Koerich, Luxembourg, September 28th
2014 Aboagora conference “Chaos and Cosmos”, with choreographer/dancer Dr. Linda Gieres, Turku, Finland, August 14th
2014 Planetarium Nürnberg, May 28th
2013 MPI for Immunobiology and Epigenetics, Freiburg, July 26th
2012 25 Years of Public Research, Luxembourg, *keynote speaker*, November 26th
2012 Luxemburg ist Groß Festival, Berlin, May 11th

- 2011 Luxembourgish Amateur Astronomers, 40 Years Celebration, Luxembourg, December 16th
- 2011 *Falling Walls conference*, Berlin, November 9th
- 2010 SES, commercial satellite company, Princeton, board meeting, October 1st
- 2009 International Year of Astronomy, *opening lecture*, Luxembourg, March 3rd