NEIGE FRANKEL

Max-Planck Institue for Astronomy Heidelberg, Germany
PhD student, frankel@mpia.de

EDUCATION

MSc degree of Astrophysics, Lund University, Sweden *2017*
100% courses passed with distinction
Bsc degree of Physics, Université Paul Sabatier, Toulouse, France *2015*
Passed with distinction, rank 3/47, best Bsc project
Scientific Baccalaureate Lycée Pierre d'Aragon, Muret, France *2012*
Passed with distinction

RESEARCH

Secular Evolution of the Milky Way Disk *2017 -*
PhD thesis *Advisor: Prof. Hans-Walter Rix*
Nucleosynthesis in accretion disks around black holes *2016 - 2017*
Master thesis, Lund University, Sweden. *Advisor: Prof. Melvyn B. Davies*
Optimum scheduling for TTV measurements *Jun – Aug 2016*
Summer employment, Lund University, Sweden. *Advisor: Dr. Alexander J. Mustill*
The effect of binary stars on the space velocity distribution of pulsars *Jan– May 2015*
Internship, Lund University, Sweden. *Advisor: Dr. Ross P. Church*

TRAINING & SUMMER SCHOOLS

Heidelberg, Germany Gaia data & science summer school *2018*
Flatiron institute, New York, USA Gaia Sprint *2018*
Penn-State, USA Astrostatistics summer school *2018*
Moletai Observatory, Lithuania Europlanet international research summer school *2017*
Ecole Normale Superieure de Lyon, France Astrosim: Numerical Astrophysics *2017*
University of Savoie, France Particle physics, gravitational waves, CERN *2016*
Universities of Orsay and Saclay, Paris, France Astroparticle physics, cosmology *2015*

GRANTS & SCHOLARSHIPS

IMPRS Scholarship Stipend *2017*
International Max-Planck Research School funding for 4 years of doctoral studies
Erasmus grant ≈ 3000 € *2015*
Erasmus agreement Toulouse-Lund signed under my initiation
Bourse au Merite ≈ 6000 € *2012*
Award for outstanding grades ($> 80/100$) in Baccalaureate exam

TEACHING AND STUDENT SUPERVISION

Co supervision of BSc student Audrey Destarac with Hans-Walter Rix *Feb-May 2019*
Project: Characterizing observational orbital signatures of black holes and neutron stars in binary with normal stars

TECHNICAL STRENGTHS AND LANGUAGES

Computer Languages	Python (current project), C++ (MSc thesis), Mathlab (courses)
Tools	Vim, Gedit, Latex, Gnuplot
Codes used	`BSE`, `TTVFast` (Projects) `RADMC`, `Zeltron`, `RAMSES` (1-day training each)
languages	French (native), English (C1), Swedish (A2)

LEADERSHIP AND SERVICE ACTIVITIES

Filmer, editor, publisher (employed) Heidelberg Joint Astronomical Colloquium *2017-2018*
LOC Galdark meeting, Heidelberg, Germany *2017-10*
Promote scientific studies High school annual talk, Lycee Pierre dAragon, France *2013- now*
Student ambassador in astronomy Lund University, Sweden *2016 - 2017*
Volunteer at Kulturnatten (Culture Night) Lund, Sweden *2015 & 2016*
Founder & President of ALVA Astronomy Club Lund, Sweden *2015 & 2016*
Initiater and organiser: Lund University, Sweden *2015 - 2016*
- Meeting MSc – PhD students: PhD experience and career
- Workshop with fellow MSc students: computing
- Workshop with fellow MSc students: statistics

Vice-president of UPS in Space Astronomy Club Toulouse University, France *2014*
Student volunteer at annual INFOSUP exhibition Toulouse, France *2012-2014*
Maths & Physics tutor High-school, Muret, France *2012 - 2014*

TALKS & SEMINARS

7. **Kloster Schontal , Galaxy department retreat (invited)** *Apr 2019*
   How to make a Galaxy disk in three steps – *application to the Milky Way*
6. **Shanghai, The life and times of the Milky Way Conference** *Nov 2018*
   Measuring radial orbit migration in the Milky Way disk
5. **Besancon, APOGEE2 team meeting** *Mar 2018*
   Obtained direct measure of radial migration efficiency with APOGEE
4. **Lund, 'The Dynamical Universe for All' workshop** *Feb 2018*
   What sets the radial structure of the Milky Way disk?
3. **Heidelberg, seminar** What sets the radial structure of the Milky Way disk? *Jan 2018*
2. **Lund, MSc defence** Nucleosynthesis in accretion disks aroubd balck holes *May 2017*
1. **Toulouse, Bachelor's students conference**
   The effect of binary stars on the space-vecolity distribution of pulsars *May 2015*

REFEERED PUBLICATIONS

Frankel, Rix, Ting, Ness, Hogg (2018), Measuring Radial Orbit Migration in the Galactic Disk, The Astrophysical Journal, 865, 2, 96.