

Johan MAZOYER

Research Interests: Optical Instrumentation, Direct Imaging & Coronagraphy, Observation & Characterization of Extrasolar Systems, Debris Disks

1 RESEARCH POSITIONS

CNRS Scientist – LESIA/Paris Observatory (France)	Since 2020
Sagan Fellow – Jet Propulsion Laboratory (Pasadena, CA)	2018 - 2019
Postdoc – Johns Hopkins University (Baltimore, MD)	2016 - 2018
Postdoc – Space Telescope Science Institute (Baltimore, MD)	2014 - 2016
Graduate Student – LESIA/Paris Observatory (France)	2011 - 2014

2 EDUCATION

PhD – Astronomy & Astrophysics – Université Paris Diderot (France) <i>Thesis Advisors:</i> P. Baudoz & G. Rousset <i>Thesis:</i> High-Contrast Direct Imaging Of Exoplanets And Circumstellar Disks	2014
Master – Astrophysics – Université Paul Sabatier (Toulouse, France) <i>Master Thesis Advisors:</i> O. Gasnault & R. Wiens <i>Thesis:</i> Influence of Mars atmosphere on the ChemCam abundance detection limits	2011
Master – Space Engineering – ISAE Supaero (Toulouse, France)	2011
Bachelor – Computer Science – Ecole polytechnique (Paris, France)	2010

3 GRANTS & AWARDS

Carl Sagan Fellowship (NASA Hubble Fellowship Program) – 3 yrs	2018
Cover of Astronomy & Astrophysics Journal (Volume 564)	2014
Outstanding Presentation Award (CNES fellow symposium JC ²)	2013
CNES Doctoral Research Fellowship (French space agency) – 3 yrs	2011
Ecole Polytechnique Scholarship – 4 yrs	2007

4 OUTREACH



Podcast Science: I am running **PodcastScience.fm**, a general science program, airing every Wednesdays, in french. This podcast is listened by 10'000 to 20'000 listeners. Podcast Science received the Golden blog award for best scientific blog in 2012.

Public talks: CERN & Palais de la découverte (Paris)

5 PROFESSIONAL ACTIVITIES & SERVICE

Conference and Workshop Organizer:

- Organizer and SOC: **National Capital Area Disks** workshop (Baltimore, MD, Oct. 2018) - [website](#)
- Organizer and SOC: **Optimal Optical Coronagraphs** workshop (Leiden, NL, Sep. 2017) - [website](#)
- Organization of the “**Exoplanet Star and Planet Formation**” (ESPF) seminar at STScI each week (2016-2018) - [website](#)
- SOC: **High Contrast Imaging from Space** (Baltimore, MD, Nov. 2016) - [website](#)
- LOC: Workshop **très haute dynamique** (Paris, 2012)

Other Services:

- Habitable Exoplanet Observatory (**HabEx**): **Contributing Scientist**
- Large UV Optical Infrared Surveyor (**LUVOIR**): **Contributing Scientist**
- IAU Junior member (since 2019)
- **Hubble Telescope Allocation Committee** panel support (2016).
- NASA Exoplanet Exploration Program Analysis Group (ExoPAG) member of the **Study Analysis Groups (SAGs) #19** (Theory and Rigorous Contrast Metrics).
- **Referee** for publications in the *AJ*, *A&A*, *MNRAS*, *PASP* and *JATIS*.

6 TEACHING & MENTORING

PhD supervising (co-advisor):

- **Lucie Leboulleux**, in co-direction between STScI & ONERA, France.
- **Kevin Fogarty**, PhD at JHU and 1 year postdoc at STScI. Now Caltech Prize Postdoctoral Fellowship in Experimental Physics or Astrophysics.

Teaching assistant Paris 7 & Paris 5 Universities **2011 - 2014**

La Main à la Pâte: **2007 - 2008**

I taught science during 8 months (30h/week) in primary schools in underprivileged neighborhoods (Perpignan, Fr) for the **La Main à la pâte** organization.