

Johan MAZOYER

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

1 RESEARCH POSITIONS

CNRS Scientist – LESIA/Paris Observatory - PSL (France)	Since 2020
Carl Sagan Fellow – NASA 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 - PSL (France)	2011 - 2014

2 EDUCATION

French habilitation (HDR) – Paris Observatory - PSL (France)	03/2024
PhD – Astronomy & Astrophysics – Université Paris Diderot (France) <i>Thesis:</i> High-Contrast Imaging Of Exoplanets And Circumstellar Disks (P. Baudoz & G. Rousset)	09/2014
Master – Astrophysics – Université Paul Sabatier (Toulouse, France) <i>Thesis:</i> Influence of Mars atmosphere on ChemCam detection limits (O. Gasnault & R. Wiens)	09/2011
Master – Space Engineering – ISAE Supaero (Toulouse, France)	09/2011
Bachelor – Computer Science – Ecole polytechnique (Paris, France)	09/2010

3 GRANTS & AWARDS

DIM Origins Hardware funding for a spatial ligh modulator - 20 k	2022
CNES (co-I) 2 years postdoc funding for Iva Laginja - 56 k / 2yrs	2021
Franco-Chilean Collaboration Program Ecosud with <i>Universidad de Chile</i> - 50 k /3 yrs	2020
NASA Group Award: LBTI Hosts Survey Science Team	2020
Carl Sagan Fellowship (NASA Hubble Fellowship Program) – 280k/3 yrs	2018
Cover of Astronomy & Astrophysics Journal (Volume 564)	2014
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, Workshop and Seminar Organizer:

- Seminar “**Haute Résolution Angulaire pour l’Astrophysique**” (**HRAA**) at LESIA (2020-)
- 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](#)
- Seminar “**Exoplanet Star and Planet Formation**” (**ESPF**) at STScI (2016-2018)
- SOC: **High Contrast Imaging from Space** (Baltimore, MD, Nov. 2016) - [website](#)
- LOC: Workshop **très haute dynamique** (Paris, 2012)

Other Services:

- **Hubble Telescope Allocation Committee** 2024
- Head of high-contrast imaging team at LESIA 2023 -
- Science Commity of CNRS/INSU’s exoplanets group (**CET exoplanètes**) 2023 -
- **Roman**: Deputy CNES representative in Community Participation Program (CPP) Team 2023 -
- **SPHERE+**: Responsible of the Focal Plane Wavefront Sensor working group 2022 -
- Science Commity of CNRS/INSU’s High Angular Resolution Group (**CS-ASHRA**) 2021 -
- **Habitable Exoplanet Observatory (HabEx)**: Contributing Scientist 2019
- **Large UV Optical Infrared Surveyor (LUVOIR)**: Contributing Scientist 2019
- IAU Junior member 2019 -
- **Referee** for publications in the *AJ*, *A&A*, *MNRAS*, *PASP* and *JATIS*.

6 MENTORING

Vito Squicciarini (Postdoc, LESIA): co-advisor with A.-M. Lagrange	Since 2022
Yann Gutierrez (PhD, LESIA): co-advisor with L. Mugnier, ONERA	Since 2022
Iva Laginja (Postdoc, LESIA): CNES post-doctoral Fellow	Since 2022
Sophia Stasevic (PhD, LESIA) co-advisor with A.-M. Lagrange and J. Milli	Since 2021
Justin Hom (PhD, ASU) co-advisor with J. Patience	2019 - 2023
Kevin Fogarty (PhD, JHU) co-advisor with L. Pueyo. Now Research Scientist at AMES	2017-2019

7 TEACHING

Observatoire de Paris Master Class:

- Instrumentation for Astronomy
- Detection of Exoplanets (collab. Anne-Marie Lagrange)