

# Johan MAZOYER

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

## 1 RESEARCH POSITIONS

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

## 2 EDUCATION

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

## 3 GRANTS & AWARDS

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| Franco-Chilean Collaboration Program <b>Ecosud</b> with <i>Universidad de Chile</i> – 3 yrs | 2020 |
| NASA Group Award: LBTI Hosts Survey Science Team  | 2020 |
| Carl Sagan Fellowship ( <b>NASA Hubble Fellowship Program</b> ) – 3 yrs                     | 2018 |
| Cover of <b>Astronomy &amp; Astrophysics</b> Journal ( <b>Volume 564</b> )                  | 2014 |
| CNES Doctoral Research Fellowship ( <b>French space agency</b> ) – 3 yrs                    | 2011 |
| Ecole Polytechnique Scholarship – 4 yrs   | 2007 |

## 4 OUTREACH

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**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

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### 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:

- 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 -
- **Hubble Telescope Allocation Committee** panel support 2016
- **Referee** for publications in the *AJ*, *A&A*, *MNRAS*, *PASP* and *JATIS*.

## 6 MENTORING

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| <b>Vito Squicciarini</b> (Postdoc, LESIA): co-advisor with A.-M. Lagrange       | <b>Since 2022</b> |
| <b>Yann Gutierrez</b> (PhD, LESIA): co-advisor with L. Mugnier, ONERA           | <b>Since 2022</b> |
| <b>Iva Laginja</b> (Postdoc, LESIA): CNES post-doctoral Fellow                  | <b>Since 2022</b> |
| <b>Sophia Stasevic</b> (PhD, LESIA) co-advisor with A.-M. Lagrange and J. Milli | <b>Since 2021</b> |

## 7 TEACHING

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### Observatoire de Paris Master Class:

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