



LAURE BINIEK (38 years old – French)

CNRS Researcher (CRCN, section 11), HdR

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Professional experiences and education

- **Accreditation to direct Research** (Septembre 2020), University of Strasbourg
- **CNRS Researcher at Institut Charles Sadron (ICS), Strasbourg** (since 01/10/2014). Research activity focused on processing-structure-property nexus of (semi)-conducting polymers used in organic electronics.
- **Postdoc at ICS, Strasbourg** (09/2012-09/2014), advisor: Dr. M. Brinkmann. « Structural characterizations and orientation control of semi-conducting block co-oligomers for organic electronic applications ».
- **Postdoc at Imperial College London**, (03/2011-08/2012), advisor: Pr. I. McCulloch. « Synthesis of semi-conducting polymers for stable and high performing organic solar cells devices ».
- **PhD fellow at ICPEES and ICube, University of Strasbourg** (10/2007-12/2010), Doctoral school grant, PhD advisors: Pr. T. Heiser, Pr. G. Hadziioannou. « Low band gap semi-conducting polymers: from synthesis to organic solar cell device elaborations ».
- Master degree in Polymer Material Sciences – University of Lyon (2005-2007)

Complementary and multidisciplinary skills in organic electronics

- **Design and syntheses** of semi-conducting polymers for photovoltaics.
- Structure, **morphology control and alignment** of (semi)-conducting polymers in thin films.
- **Conducting porous polymer gel for thermoelectrics.**
- Multi-scale and correlative **structural characterizations.**
- **Optoelectronic properties (OPV, OFET, OTEG).**

Outreach and services to the scientific community

- **Co-author of 46 articles** (1762 citations, h=22) & 1 editorial ; **2 invited lectures in international conferences, 17 oral presentations**

- **Active referee for peer-reviewed international journals** (J. Mat. Chem. C & A, Mat. Chem. Front., Macromolecules, Adv. Mater.,...) – recognized as an Outstanding Reviewer for Materials Chemistry Frontiers in 2019.
- **Guest co-editor** of a special issue « Organic Photovoltaics » in Polymers Journal (2015 & 2016)
- **Associate Editor** in 'Frontiers in Electronic Materials: Thermoelectric Material' journal since 2021
- Co-organization of 4 French **workshops** and 1 **international summer school** dedicated on hierarchical materials for energy and sustainability (July 2022).
- **Sustainable development referent at ICS**

Coordinator and project participation

- **PI of 4 emerging investigators granted projects** (ITI HiFunMat seed money 2021, French ANR JCJC 2019, IdEx Attractivité 2015 and FRMNA-Région Alsace 2015).
- Consortium participation in French **ANR** projects (MATISSE 2014, PICASSO 2012-2014, ANISOTHERM 2018-2020) and **Interreg IV project**: Rhin Solar (2014), Bilateral project Solvay and Imperial College (2011-2012).

Supervising, teaching and communication to the general public

- **(Co)-supervision** of 2 postdocs, 10 PhD fellows, and 18 undergraduates (since 2008)
- **Lab Teaching at Strasbourg University (inorganic chemistry practicals ~24h/year in 2020 and 2021)**
- Participation to **French Science Festival** (2009, 2017, 2018, 2021), 'Pint of Science' (2018), 'Strasbourg Scientific Art exhibition (2017) and IUPAC international breakfast event to **promote Women in Science**