

Name, First name: BESSE Florence
Birth Date (age): 4th June 1976 (47)
Children: 2 (2012, 2015)
Current position: Director of the iBV (Nice, France)
 Group leader, iBV
 DR1, CNRS

ORCID ID: orcid.org/0000-0003-4672-1068

Group webpage: <http://ibv.unice.fr/research-team/besse/>

Publications in peer-review journals: 35 accepted (*incl Nat. Rev. Cel. Biol., Nat. communications, Genes and Dev, Development, J. Cell Biol., Cur. Biol, eLife, J. Neurosc ...*)

EDUCATION -----

2012: **HDR** in Life Sciences, University of Nice, France
 2002: **PhD thesis**, University of Paris VII, France
 1999: Master degree in molecular and cellular developmental biology, University Paris VII
Magistère de Biologie Moléculaire et Cellulaire, ENS-Lyon I
 1996-2000: Student of the **Ecole Normale Supérieure de Lyon** (ENS-Lyon)

PROFESSIONAL EXPERIENCE -----

2023- present: **iBV director**
 2009- present: **Group leader at the iBV**, Nice, France - [Post-transcriptional control of neuronal plasticity](#)
 2012- present: **Member of the INRIA/i3S/iBV Morpheme team**
[Computational approaches in image processing and modeling](#)
 2008, 2016, 2021: Appointment CR1 CNRS (2008); DR2 (2016); DR1 (2021)
 2007-2008: **Staff scientist**, Ephrussi lab, EMBL, Heidelberg, Germany - *Cell polarity and RNA localization*
 2003- 2007: **Post-doc**, Ephrussi lab, EMBL, Heidelberg, Germany - *Cell polarity and RNA localization*

HONORS -----

2023: Elected EMBO member
 2021: Nominated member of the CoNRS – section 22
 2018: Equipe FRM
 2015: Prime d'encadrement à diriger la recherche CNRS
 2009: HFSP Career Development Award
 2008: ATIP Biologie du Développement (CNRS)
 2003: HFSP, EMBO et FEBS Long-term Fellowships
 2000: Allocation Moniteur Normalien (AMN)

ADMINISTRATIVE RESPONSABILITIES -----

2021-présent: Member of the CoNRS evaluation committee – section 22
 2020-2022: Member of the EUR Life council (COSP; University Côte d'Azur)
 2016-2018: Member of the scientific council of the « complex systems » Academy (JEDI IDEX, Université Côte d'Azur)
 2015-2017: Membre du conseil académique d'UCA (Université Côte d'Azur)
 2011-2019: Member of the scientific council of the LabeX Signalife
 2012-2022: Scientific coordinator of the iBV PRISM imaging platform

EXPERTISE -----

2020: Member of **HCERES committee**: IGH, Montpellier
 2020-2022: Member of the **CEN1, La Ligue contre le Cancer**
 2016-present: **Editorial board member**: Frontiers in Molecular Biosciences (Review editor)
 - **Ad hoc reviewer** for: *Nature, Science Advances, EMBO J., EMBO Reports, PNAS, Current Biol., eLife, PLoS Genetics, Development, J. Neurosci, Developmental Dynamics, Development Gene Evol., Neural Dev., Bioassays, RNA, Life science alliance, PLoS ONE, WIREs Dev Biol., WIREs RNA, Scientific reports ...*
 - **Evaluation of research grants for**: ERC, Wellcome Trust (UK), MRC (UK), BBSRC (UK), FWF (Austria), DFG (Germany), ANR (France), Boehringer Ingelheim Fonds (Germany), NSF (USA)
 - Member of **PhD defense committees**: 30 (17 as a reviewer and 5 as a president) including 20 since 2016
 - Member of **HDR defense committees**: 10 (incl 5 as a reviewer and 1 as a president) including 7 since 2016
 - Member of **University recruitment committees**: 2 (Univ Nice), 2 (Univ Marseille)

MEETING ORGANIZATION (2016-present) -----

2024: FASEB meeting on RNA localization (150 attendees), Melbourne, USA
 2022: European neurofly meeting (300 attendees), St Malo, France
 2022: The multiple facets of RNA in development and disease (120 attendees), Nice, France
 2022: EMBO India alliance lecture course on RNA binding proteins (100 attendees), Pune, India – *funded by EMBO*
 2021: European neurofly meeting (300 attendees) Toledo, Spain – *member of the scientific committee*
 2018: The multiple facets of RNA in development and disease (120 attendees) Nice, France
 2016: 30^e french *Drosophila* meeting (100 attendees), Grasse, France
 2016 : workshop Maths-Bio (50 participants ; local), Sophia Antipolis, France

INVITED TALKS AT INTERNATIONAL CONFERENCES (2016-present) -----

2023 : EMBO Practical course: FISHing for RNAs: classical to single molecule approaches - EMBL, Heidelberg,
 2022 : EMBO conference : The complex life of RNA – EMBL, Heidelberg, Germany
 2022 : FOR2333 RNA transport meeting, Düsseldorf, Germany
 2022: Conference Series on the Molecular and Developmental Biology of *Drosophila*- Kolymbari, Crete
 2022 : EMBO India lecture on RNA binding proteins – Pune, India
 2021 : Club de neurobiologie des invertébrés - virtual
 2021: NeuroFrance, Symposium on local translation in neurons – Strasbourg, virtual
 2021 : EMBO conference on RNA localization and local translation - Sant Feliu de Guíxols, Spain – *held in 2022*
 2020 : FENS Symposium on local translation - Glasgow, UK (virtual)
 2020: EMBO Conference Series on the Molecular and Developmental Biology of *Drosophila*- Kolymbari, Crete
 2019 : EDRC meeting, Chair of the RNA biology session - Lausanne, Suisse
 2018 : Conference Jacques Monod : Modeling cell fate - Roscoff, France
 2018 : French *Drosophila* meeting - Presqu'île de Giens, France
 2018 : Gordon Research Conference on Neural Development- Newport, USA
 2018: Workshop on integrative approaches in neurodegeneration – Lisbon, Portugal
 2017 : German Society for Biochemistry and Molecular Biology (GBM) meeting- Bochum, Germany
 2017 : 42nd FEBS congress- Jerusalem, Israel
 2016 : Biochemical Society Harden Conference on RNA regulation- Winchester, UK
 2016 : EMBO Conference Series on the Molecular and Developmental Biology of *Drosophila*- Chania, Crete

PARTICIPATION TO JOINT PROJECTS -----

- FlySMALS project (european JPND program; 6 groups involved)
 - Morpheme team (INRIA/i3S/iBV project team)
 - Signallife LabeX

5 Main recent PUBLICATIONS -----

- Pushpalatha K, Solyga M, Nakamura A and Besse F (2022). RNP components condense into repressive RNP granules in the aging brain. **Nature communications**. 13(1) :2782. doi: 10.1038/s41467-022-30066-4
 - Formicola N, Heim M, Dufourt J, Lancelot AS, Nakamura A, Lagha M and Besse F. (2021). Tyramine induces dynamic RNP granule remodeling and translation activation in the *Drosophila* brain. **eLife**, 10:e65742. doi: 10.7554/eLife.65742.
 - Vijayakumar J, Perrois C, Heim M, Bousset L, Alberti S and Besse F. (2019) The prion-like domain of *Drosophila* Imp promotes axonal transport of RNP granules *in vivo*, **Nature communications**. 10(1):2593. doi: 10.1038/s41467-019-10554-w.
 - Medioni C., Ramialison M., Ephrussi A. and Besse F. (2014). Imp promotes axonal remodeling by regulating *profilin* mRNA during *Drosophila* brain development. **Current Biol.**, 24(7):793-800.
 - Medioni C., Mowry K. and Besse F. (2012). Principles and roles of mRNA localization in animal development. **Development**, 139(18) :3263-76. doi :10.1242/dev.078626.