

CV. Anahi MOLLA HERMAN, CNRS CRCN CIRB Collège de France CNRS/UMR 7241 - INSERM U1050

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### UNIVERSITY AND LAB EXPERIENCE

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2016-présent	<b>CR CNRS au Collège de France</b> , team leader JR. Huynh « Evolution and development of germ cells ». <i>tRFs roles in genome integrity control</i> .
Oct.2009-Oct2015	<b>Post-Doct. Genetics and Developmental Biology Unit BDD</b> at I.Curie, Paris. Team leader JR Huynh. <i>Epigenetic impacts of tRNA maturation on piRNA biogenesis during drosophila oogenesis</i> . Bourse Ile de France and ARC.
Sept.2006-Sept.2009	<b>PhD in Cell Biology</b> , Institut Cochin, Infectious disease unit. Team leader : Alexandre Benmerah. <i>Characterisation of <math>\beta</math>arr2 function at the centrosome and the primary cilium</i> . Grant MNRT. <b>Monitorat</b> at Univ. Paris Descartes.
2005-2006	<b>M2 Physiological and pathological cell</b> . Univ. Paris Descartes. <i>Characterisation of <math>\beta</math>arr2 function at the centrosome and the primary cilium</i> . Team leader A. Benmerah.
2004-2005	<b>Biology degree</b> (cell and molecular biology specialization) at the Univ. Autónoma de Madrid (UAM), Spain.
2003-2004	<b>M1 Cell Biology and Animal Physiology</b> , Univ. Paris 6. Internship with A. BENMERAH. <i>Intracellular traffic of CD23</i> during 6 months.
2000-2003	Univ. Autónoma de Madrid.
2000	Ramiro de Maeztu, Madrid, Espagne.

### TECHNIQUES

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Genetics, Cellular and Molecular Biology, Developmental Biology, Bioinformatics, Biochemistry, Microscopy, Immunology, Histology.

### TEACHING AND SUPERVISING

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> **Project coordination with JR HUYNH 2013-2016:** avec AM. VALLES-ACUTO (CR1) and C. Ganem-Elbaz (IE).

> **PHD supervisor :** Maud Ginestet, Bourse ED CDV depuis 2021. Dir. thèse JR. HUYNH and C. CARRE. I would like to have my HDR in the near future. Supervision help with M. Clémot I. Curie 2016-17.

> **M2/M1 supervisor :** Maud Ginestet (ENS 2019 and 2020), Capucine de Tricornot (2018), N. Fares, K. Romeo, CD Emmerson, R. Ghossoub (2006-2009).

> **Creation of courses and workshops :** « How to ask questions in a scientific meeting? » at CIRB CDF ; « Help to have the L'Oréal price workshop at I. d'Épigénétique » ; « How to obtain a MCU position ? at I. Curie » (2020, 2019, 2014 respectively).

- **Teaching classes PSL** for M2-PhD students, ABCD 2020 and 2021 (Advanced Biology Course on Development and cell biology at ENS, Paris <https://abcdpsl2020.home.blog/> for Terence Strick (IBENS, Paris).

- **Teaching classes PSL** for the new university training « Sciences for a sustainable world » SMD. Dir. C. Chevalier. Co-organizer of the Biology L1 module. With SG. Lapiteau (EPHE) since 2020. Organizer of the Bio.cell module L2 since 2021.
- **Teaching** : Cellular aspects of development. IJM (2012).
- **Teaching** : small non-coding RNAs (2013-16) : I. Pasteur, MNHN and Univ. Orsay.
- **Monitorat** at the Univ. Paris Descartes- total 210h TD and TPs- 2006-2009.
- > **Science popularization** :
- Invited speaker to Round table **gender equality** « Journées des écoles doctorales » with Claudine Hermann and M. Arbogast, 2019.
- Invited speaker to **Pint of Science** 2018 with Amaury Lambert (CIRB).
- 9 talks in highschoools of Ile de France, to foster science with women students, for L'Oréal, 2016.

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### **COLLECTIVE RESPONSABILITIES**

- **Comité d'Etablissement du Collège de France**, elected member CR, since 2022.
- **ABC classes coordinator** (Advanced Biology Course) of the Graduated Program PSL with T. Strick and member of the **Bureau** 2020-2022.
- **PhD comittee** : for H. Bouzind (CRI) since Oct.2021 ; G. Fantozzi (I. Curie) since Oct.2020 ; W. WANG (I. Curie) 2018-2020 as representative member for the Ecole Doctorale CDV.
- **External seminars organization** help at the CIRB Collège de France (since 2021) with N. Gervasi and B. Bouchard.
- **Jury- Admission exam PSL** « Sciences pour un Monde Durable » 2021 and 2022 for T. Thiebault (EPHE).
- **Jury- Admission exam PSL** « **PhD Track** » of the Graduate Progam Life Science for T. Strick, 2021 and 2022.
- **Jury- Evaluation** « **Eureca** » PhD Cofund Program to select PHD projets at the I. Curie 2020.
- **Jury- IC3i selection** process, Cofund PhD program I. Curie 2018.
- **Jurys M1** for I. Salecker JUIN 2022 (ENS) and J. Weitzman, 2016.
- **Jurys M2** I. Cochin 2019 for A. Benmerah and Univ. Orsay 2017 for AH. Monsoro-Bourq.
- Member of the **Green-Com CIRB** for a sustainable research 2019-2020.
- **Organisation-** « CIRB Day » 2019.
- **Organisation-** French National Drosophila meeting 2017 with J. A. Lepesant (IJM).
- **Organisation-** Club *Drosoph'ILE de France* with Jean-Antoine Lepesant (IJM) 2015-2017, Paris.
- **President of TAB** (Training Advisory Board) of carreer development help for the **LABEX DEEP** (2012-2014).
- **Post Docs representative I. Curie** 2010-2015.
- **PhD representative** in my **department** and **organisation** of the PhD-students' day at I. Cochin (2006-2009).
- **PhD representative** for the Ecole doctorale **GC2ID** (2006-2009).
- **Organisation-** « Forum de l'école Doctorale 2009 »
- Participation to the Ecole Doctoral's evaluation by the AERES, 2009.

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### **GRANTS OR PRICES**

- **Grant L'Oréal UNESCO** post-doc. 2015. (20K€).

- **Grant ARC** post-doc, I. Curie (2011-2014).
- **Grant Ile de France** post-doc, I. Curie (2009-2011).
- **Grand Prix de l'Institut Cochin** 2006 (1,5K€).
- **Grant MNRT moniteur** (2006-2009).
- **Grant « Fundacion La Caixa » M2** (15 K€) (2005).
- **Grant Erasmus M1** (2003).
- **Grant Univ. Autonoma de Madrid** (2000).

## **SCIENTIFIC ARTICLES DURING THE LAST 5 YEARS**

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### [Rhino breaks the deadlock in \*Drosophila testis\*.](#)

**Molla-Herman A<sup>\*\*\*</sup>**, Brasset E<sup>\*\*\*\*</sup>.

PLoS Genet. 2021 Sep 2;17(9):e1009702. doi: 10.1371/journal.pgen.1009702.

\* **Equal work.** <sup>\*\*\*</sup> **corresponding authors.** hal-03430839.

### [tRNA Fragments Populations Analysis in Mutants Affecting tRNAs Processing and tRNA Methylation.](#)

**Molla-Herman A<sup>\*\*\*</sup>**, Angelova MT, Ginestet M, Carré C, Antoniewski C<sup>\*\*\*</sup>, Huynh JR.

Front Genet. 2020 Oct 9;11:518949. doi: 10.3389/fgene.2020.518949. eCollection 2020. hal-03048586v1

<sup>\*\*\*</sup> **corresponding authors.**

### [Monitoring \$\beta\$ -Arrestin 2 Targeting to the Centrosome, Basal Body, and Primary Cilium by Fluorescence Microscopy.](#)

**Molla-Herman A<sup>\*\*\*</sup>**, Davis KM, Mykytyn K, Benmerah A<sup>\*\*\*</sup>.

Methods Mol Biol. 2019;1957:271-289. doi: 10.1007/978-1-4939-9158-7\_17.

<sup>\*\*\*</sup> **corresponding authors.**

### [The replicative histone chaperone CAF1 is essential for the maintenance of identity and genome integrity in adult stem cells.](#)

Clémot M, **Molla-Herman A**, Mathieu J, Huynh JR, Dostatni N.

Development. 2018 Aug 28;145(17). pii: dev161190. doi: 10.1242/dev.161190.

## **ORAL COMMUNICATIONS**

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- **Invited speaker :**

- CIRB open seminars, Paris. January 2020. tRNAs: guardians of the genome. Invited by MH. Verlhac.
- Instituto Europeo d'Oncologia (IEO), IIT (I. Italian de Technologie) Milan, invited by B. Amati. 2016.
- Institut d'Epigénétique, invited by J.Weitzman. 2016.
- CBI, Toulouse, invited by Didier Trouche for a Principal Investigator Call. 2016.
- Club Transposons, invited by Pascale Lesage ENS. 2016.

- **Selected speaker meetings :**

- EMBO Workshop ZGA Awakening of the genome (Prague, 2019) selected speaker.
- Droso-France, Montpellier 2015.
- EDRC Heidelberg 2015 by JR.Huynh.
- Journées ARC (Association de Recherche contre le Cancer), Paris 2012.

- **Posters in meetings:**

Transcription-Replication Conflicts, Roscoff, France 2016 // EDRC, European Drosophila Research Conference: Heidelberg, 2015 // CSHL, Cold Spring Harbor Laboratory meeting, Regulatory & Non-Coding RNAs, 2014. Travel Help // Congrès des Jeunes Chercheurs, Institut Imagine, Paris 2014 // EDRC, European Drosophila Research Conference: Barcelona, 2013 // Scientific popularization, Journées ARC, Paris 2012.