



Adel Al Jord

Date of birth: 26/06/1988 | Nationality: French (Syrian & Russian) | +33631169415

adel.aljord@college-de-france.fr

Scientist experienced in research project launch, management, coordination, and leadership along with solid interpersonal skills | Multicultural and multilingual citizen of France, born to Syrian and Russian parents in Dubai & currently residing in Paris | Fluent in English, Russian, Arabic, and French.

WORK EXPERIENCE

10/2017–12/2021; 4/2022-present – Paris, France

POST-DOCTORAL RESEARCH FELLOW - CENTER FOR INTERDISCIPLINARY RESEARCH IN BIOLOGY, COLLÈGE DE FRANCE

Conceived, coordinated, & led an interdisciplinary study in mechanobiology at the Oocyte Mechanics & Morphogenesis Laboratory. (Al Jord* et al. *BiorXiv*). (Advisor: Dr. Marie-Hélène Verlhac; co-advisor: Marie-Emilie Terret)

1/2022–4/2022 – Zurich, Switzerland

EMBO NEW VENTURE FELLOW - MOLECULAR LIFE SCIENCES, UNIVERSITY OF ZURICH

Acquired novel expertise in cell culture (iPSC) & multiplexing (4i) at the Systems Biology Laboratory. (Collaborator: Pr. Lucas Pelkmans)

10/2012–9/2017 – Paris, France

DOCTORAL & POST-DOCTORAL RESEARCH FELLOW - BIOLOGY INSTITUTE, ECOLE NORMALE SUPÉRIEURE

PhD: Investigated & documented organelle biogenesis in mammalian multiciliated cells using state-of-the-art microscopy at the Cilia Biology & Neurogenesis Laboratory. Published discovery in *Nature* (Al Jord et al. *Nature* 2014) & defended PhD in 2016. (Co-advisors: Drs. Alice Meunier & Nathalie Spassky; PhD Jury: Drs. M. Piel, J. Pines, M-H. Verlhac, M. Bettencourt-Dias)

Post-Doc: Designed & managed a study dissecting molecular pathways of multiciliated cell differentiation at the Cilia Biology & Neurogenesis Laboratory. Reported discovery in *Science* (Al Jord et al. *Science* 2017). (Advisor: Dr. Alice Meunier)

10/2012–9/2022 – Paris, France

UNIVERSITY TEACHING FELLOW, LECTURER, & SCIENTIFIC MENTOR - PARIS UNIVERSITÉ | ECOLE NORMALE SUPÉRIEURE | PARIS-SACLAY UNIVERSITY | COLLÈGE DE FRANCE

-Trained, supervised, and advised Klaudija Daugelaite (pre-PhD student graduated in top 1% from Sorbonne Université; 2017-2018. Currently a PhD candidate at DKFZ Heidelberg), Adrien Eichmuller (engineer at Collège de France; 2018-2020. Currently at J-L. Maitre's Laboratory at Institut Curie), & Cyprien Noble (medical student at Ecole Normale Supérieure; 2022).

-Lectured on Oocyte Development for graduate students of the Cell Dynamics Masters Program (2 hours; Paris-Saclay University; 2018).

-Mentored high-school students aspiring to become scientists from the « L'arbre des connaissances: apprentis chercheurs » program. Initiated & managed a mini-project, oversaw student lab work, & supervised student communication skills (50 hours; Ecole Normale Supérieure; 2016-2017).

-Lectured on Super-Resolution Imaging in Neurosciences for undergraduate medical students (2 hours; Bettencourt Foundation; 2016).

-Lectured on Genetics, Cell Biology, & Biochemistry for undergraduate medical students (120 hours; Paris Université; 2012-2015).

-Instructed experimental biochemistry for undergraduate pharmacy students (72 hours; Paris Université; 2012-2015).

10/2012–9/2017 – Paris, France

PRE-PHD RESEARCH SCHOLAR - NEW YORK UNIVERSITY | ECOLE NORMALE SUPÉRIEURE

NYU: Explored chemo-resistance in skin cells using molecular biology & comparative genomics at the Dermatology Department of the Langone Medical Center. (5 months; Advisors: Drs. Prashila Manga & Seth J. Orlow)

Ecole Normale Supérieure: Developed imaging & cell culture techniques to investigate organelle biogenesis in brain multiciliated cells at the Cilia Biology & Neurogenesis Laboratory, & secured funding to pursue a PhD. (7 months; Advisor: Dr. Alice Meunier)

HONOURS & AWARDS

« Biology Article of the Year » - Prix La Recherche 2019 – La Recherche Magazine

Co-awarded for discovery published in *Science* (Al Jord et al. *Science* 2017). <https://www.larecherche.fr/site/event/prix-la-recherche-2019>

PhD Prize – SBCF 2017 – Société de Biologie Cellulaire de France

<https://sbcf.fr/en/award/phd-thesis-prize-sbcf-2017-adel-al-jord/>

Academy of Sciences Prize Medal: « Les Grandes Avancées Françaises en Biologie 2015 » - Institut de France

Awarded for discovery published in *Nature* (Al Jord et al. *Nature* 2014). <https://www.academie-sciences.fr/fr/Colloques/les-grandes-avancees-francaises-en-biologie-presentees-par-leurs-auteurs-2015.html>

● GRANTS & FUNDING

Fondation St. Michel Post-Doctoral Research Fellowship 4/2022-4/2023
EMBO New Venture Fellowship 1/2022-4/2022
Labex MemoLife 2.0 CONSORTIUM Post-Doctoral Research Fellowship 1/2021-12/2021
Fondation ARC (French Cancer Foundation) Post-Doctoral Research Fellowship 10/2017-12/2020
Labex MemoLife 1.0 CONSORTIUM Post-Doctoral Research Fellowship 9/2016-9/2017
Fondation de Recherche Médical (FRM) Doctoral Research Fellowship 10/2015-9/2016
French Ministry of Research Doctoral Research Fellowship 10/2012-9/2015

● CONFERENCES & SEMINARS

Speaker at International Conferences, Award Ceremonies, & Seminars
<u>Conference Talks:</u> EMBO Mechanobiology in Development & Disease, EMBL Heidelberg-Germany (2022) CELL Symposia Biological Assemblies, Seville-Spain (2021) EMBO Actin Mechanics Meeting, Baeza-Spain (2019) ARC Foundation Conference, Paris-France (2019 & 2020) Building the Cell, Pasteur Insitute, Paris-France (2018) Cold Spring Harbor Asia Cilia Meeting, Suzhou-China (2017) YRLS Conference, Curie Insitute, Paris-France (2015) European Cilia Meeting, Marseille-France (2012)
<u>Conference Posters:</u> American Association for Cancer Research Developmental Biology & Cancer Conference, Boston-USA (2015) EMBO Centrosome Meeting, Gulbekian, Lisbon-Portugal (2014)
<u>Award Ceremony Talks:</u> « Prix La Recherche » awards, Paris Dauphine University, Paris-France (2019) « Grandes Avancées Françaises en Biologie » awards, Academy of Sciences, Institut de France, Paris-France (2015)
<u>Seminars in Research Institutions:</u> Univeristy of Zurich, Molecular Life Sciences Institute, Lucas Pelkmans Lab, Zurich-Switzerland (2022) Collège de France, CIRB, Paris-France (annual department seminars; 2018-2021) Institut Jacques Monod, Cytoskeleton Club, Paris-France (2020) Vision Institute, NeuroDev Club, Paris-France (2016) NASA Kennedy Space Center, Ye Zhang & Howard G. Levine Lab, Florida-USA (2015) Harvard University, Dana Farber Cancer Center, David Pellman Lab, Boston-USA (2015) Sloan Kettering/Rockefeller University, Vivian Tabar Lab, NY-USA (2015) Columbia Univeristy, Cell Biology & Pathology Department, NY-USA (2015) Ecole Normale Supérieure, Biology Institute (IBENS), Paris-France (annual department seminars; 2012-2017) New York University, Langone Medical Center, R.O.Perelman Department of Dermatology, NY-USA (2011)
Organizing committee member of the YRLS Conference (Institut Curie; 2015) & the CIRB Day (Collège de France; 2019)
Responsibilities: Judge scientific content based on innovation Advise on global scientific program Manage Logistics

● EDUCATION & TRAINING

Scientific Education
PhD in Cell & Developmental Biology, Sorbonne Université (UPMC) – Ecole Normale Supérieure (IBENS) (2012-2016) European Masters of Genetics, Université de Paris (Paris Diderot; 2011-2012, Top 1%) Master degree in Sciences, Technologies & Health, Université de Paris (Paris Diderot; 2010-2012, Top 1%) Bachelor Degree in Life Sciences (Biology, Chemistry & Biophysics), Université de Paris (Paris Descartes; 2010, Top 5%)
Other
Professional Development Training & Courses at Sorbonne Université, including: Patents & Industry Consulting Industry Non-profit Organizations CRISPR Technologies Statistics & R Software Animal Welfare & Bioethics (2012-2019) Entrepreneurial Courses, DFE Cycle, ESCP Business School (2014-2015) French Literature & Economics, Paris-Sorbonne Université (2006; Top 1%) American High-School Diploma, AMS International, Dubai, United Arab Emirates (2005; Top 1%)

● NON-ACADEMIC WORK EXPERIENCE

Fashion Model
Worked as a professional model globally in the luxury fashion industry from 2010-2012 and occassionally since. Represented by top-tier European modeling agencies in London (Premier Model Management), Paris (New Madison Models), and Berlin (Viva Models). Collaborated with internationally recognized designers (JW Anderson & Damir Doma), photographers (Youssef Nabil, Satoshi Saikusa, & Brett Lloyd), stylists (Carlos Nazario, Samuel Drira, & Robbie Spencer), casting directors (Shelley Durkan & Maida Boina), & secured two fashion magazine covers in Austria & Japan.
<u>Selection of jobs & clients:</u> <u>Print & Video Advertisements:</u> Rad Hourani (NYC, 2010), Damir Doma (London, 2011), Pitti Uomo (Florence, 2011), Steffie Christiaens (Paris, 2012, 2013 & 2018), Didit Hediprasetyo (Bali/Paris, 2019), Port Tanger (London, 2020-2021), Les Bois (Paris, 2021-2022) <u>Editorials & Press:</u> FHM (Munich, 2010), Huge Magazine (coverstory; Tokyo, 2010), Indie Magazine (coverstory; Vienna, 2010), Smug Magazine (London, 2011), Encens Magazine (Paris, 2012), Style Noir (Munich, 2014). <u>Fashion Shows & Runway:</u> Damir Doma (Paris, 2010 & 2011), Qasimi (Paris, 2010), Hyères Fashion Festival (25 th edition, Hyères, 2010), JW Anderson, James Long, Katie Eary, & K.T.Z. (London, 2010 & 2011).

● PUBLICATIONS

Original Research

Cytoplasmic forces functionally reorganize nuclear condensates in oocytes

Authors: **A. Al Jord***, G. Letort, S. Chanet, F.-C.Tsai, C. Antoniewski, A. Eichmuller, C. Da Silva, J.-R. Huynh, N.S. Gov, R. Voituriez, M.-E. Terret, M.-H. Verlhac (*** corresponding author**)
Preprint reference: Al Jord et al. BiorXiv 2021.03.15.434387v2; Citations: 2
Media Coverage in Development (www.thenode.biologists.com/march-in-preprints-5/highlights/)

Calibrated mitotic oscillator drives motile ciliogenesis

www.science.org/doi/10.1126/science.aan8311
Authors: **A. Al Jord**, A. Shihavuddin, R. Servignat d'Aout, M. Faucourt, A. Genovesio, N. Spassky, A. Meunier* (*** corresponding author**)
Reference: Al Jord et al. **Science** 2017 Nov 10 358:803-806; Epub 2017 Oct 5; Citations: 52
Media Coverage in Science (www.science.org/doi/10.1126/science.aan8311); in Developmental Cell (www.sciencedirect.com/science/article/pii/S153458071730905X); in Science Signalling (www.science.org/content/10/505/eaar4559.full); in La Recherche (www.larecherche.fr/prix-la-recherche-2019-biologie-publications)

Centriole amplification by mother and daughter centrioles differs in multiciliated cells

www.nature.com/articles/nature13770
Authors: **A. Al Jord**, Al. Lemaitre, N. Delgehyr, M. Faucourt, N. Spassky*, A. Meunier* (*** co-corresponding author**)
Reference: Al Jord et al. **Nature** 2014 Dec 4 516:104-107; Epub 2014 Oct 12; Citations: 128
Media Coverage in Sciences et Santé Magazine n22 (www.inserm.fr/magazine/sciencesante-n22/); in CNRS press release (www.cnrs.fr/endirectdeslabos/lettre.php?numero=136)

Active fluctuations of the nuclear envelope shape transcriptional dynamics in oocytes

www.sciencedirect.com/science/article/pii/S1534580719307397
Authors: M. Almonacid, **A. Al Jord**, S. El-Hayek, A. Othmani, F. Culpier, S. Lemoine, K. Miyamoto, R. Grosse, C. Klein, T. Piolot, P. Mailly, R. Voituriez, A. Genovesio*, M.H. Verlhac* (*** co-corresponding author**)
Reference: Almonacid et al. **Developmental Cell** 2019 Oct 9 pii: S1534-5807(19)30739-7; Citations: 28
Media Coverage in Developmental Cell (www.sciencedirect.com/science/article/pii/S1534580719308081)

Dynamics of centriole amplification in centrosome-depleted brain multiciliated progenitors

www.nature.com/articles/s41598-019-49416-2
Authors: O. Mercey, **A. Al Jord**, P. Rostaing, A. Mahuzier, A. Boudjema, M. Faucourt, N. Spassky, A. Meunier* (*** corresponding author**)
Reference: Mercey et al. **Scientific Reports** 2019 Sept 10; 9:13060; Citations: 22

Centriole amplification in brain multiciliated cells: high resolution spatiotemporal dynamics & identification of regulatory mechanisms

PhD accessible on www.theses.fr/2016PA066706
Reference: **Adel Al Jord**. Centriole amplification in brain multiciliated cells : high resolution spatiotemporal dynamics and identification of regulatory mechanisms. Neurobiology. Université Pierre et Marie Curie - Paris VI, 2016. English. (NT : 2016PA066706). (tel-01875025)

Reviews & Other

Cover of « Biology of the Cell » journal (Volume 112; September to November 2020)

www.onlinelibrary.wiley.com/toc/1768322x/2020/112/9

Motile ciliogenesis and the mitotic prism

Review accessible on www.onlinelibrary.wiley.com/doi/abs/10.1111/boc.201800072
Authors: **A. Al Jord***, N. Spassky, A. Meunier* (*** co-corresponding author**)
Reference: Al Jord et al. **Biology of the Cell** 2019 Aug 111(8):199-212; Citations: 12

Two spindles for two genomes in a mammalian zygote

Dispatch on Reichmann et al. **Science** 2018 available on www.sciencedirect.com/science/article/pii/S0960982218309746
Authors: **A. Al Jord***, M.H. Verlhac (*** corresponding author**)
Reference: Al Jord and Verlhac. **Current Biology** 2018 Sep 10;28(17): R948-R951

Calibrate mitosis to differentiate

Comment accessible on www.researchgate.net/publication/320617098_Principles_of_Systems_Biology_No_22
Authors: **A. Al Jord**, N. Spassky, A. Meunier
Reference: Al Jord et al. **Cell Systems** 2017 Oct 25;5(4):305-309.

Centriole amplification? #DaughterCentriole

Review in French accessible on www.medicinesciences.org/fr/articles/medsci/pdf/2015/03/medsci20153103p250.pdf
Authors: **A. Al Jord**, N. Spassky*, A. Meunier* (*** co-corresponding author**)
Reference: Al Jord et al. **Medicine/Sciences** (Paris). 2015 Mar;31(3):250-3.