DOSSIER CANDIDATURE
PARIS SANTE COCHIN
Phase 1 : Présélection

Dossier de Candidature : Annexe Équipe

nūmi

TLDR:

L'équipe de Nūmi compte aujourd'hui 18 personnes (2 mandataires sociaux, 11 salariés, 1 CDD, 3 stagiaires et 1 freelance).
Notre équipe pluridisciplinaire réunit des scientifiques, des ingénieurs et des profils business, avec une forte expertise en culture cellulaire, développement de milieux, biotechnologies, montée en échelle des procédés et propriété intellectuelle.

Chiffres clés :

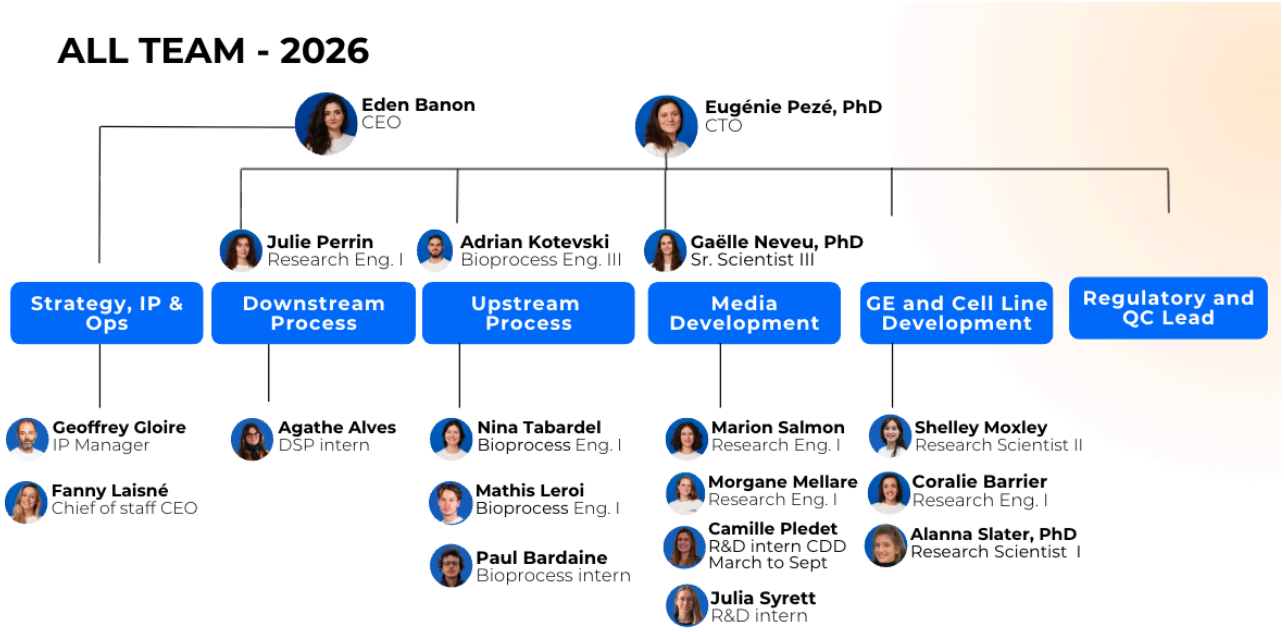
- Plus de 87 % de l'équipe a un background scientifique ou technique;
- 20 % des membres de l'équipe technique sont docteurs;
- 60 % des leads d'équipe sont des femmes;

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1. Organigramme d'équipe

- **Juin 2026 : 18 membres**



- **Fin 2026 : 24 members**



2. Équipe dirigeante

La société a été créée par deux co-fondatrices aux parcours complémentaires : Eden Banon, ayant un parcours business et Eugénie Pezé-Heidsieck, docteure en biologie cellulaire et moléculaire.



- **Eden Banon**: co-fondatrice et CEO
    - Eden Banon est cofondatrice et CEO de Nūmi. Elle a suivi une formation en gestion et management international à l'Université Paris Dauphine. Son parcours professionnel est composé d'expériences structurantes liées au monde de l'investissement, d'abord dans un fonds d'asset management français, La Française, puis au sein des équipes de Business France à Chicago. Elle s'est ensuite tournée vers le monde du Venture Capital où elle a eu la chance d'accompagner des dizaines de startups dans leur création chez Entrepreneur First et c'est au contact d'entrepreneurs dans la biotech qu'elle a développé son intérêt pour la biologie.
- **Eugénie Pezé-Heidsieck**: co-fondatrice et CTO
    - Eugénie Pezé-Heidsieck est cofondatrice et CTO de Nūmi. Elle a suivi une formation d'ingénieur (AgroParisTech), puis un doctorat (Collège de France) au cours duquel elle a cultivé des cellules (lignées primaires et immortalisées ainsi que cellules souches pluripotentes) pour décrypter les mécanismes cellulaires et moléculaires. Elle a ensuite mené ses recherches postdoctorales à l'Université de Columbia (New York), où elle a travaillé sur la génétique de l'évolution du cerveau humain. Eugénie possède une solide expertise en culture cellulaire, en biologie moléculaire et en génétique, ce qui correspond parfaitement aux sujets développés chez Nūmi.

CV Eugénie Pezé-Heidsieck, Co-fondatrice & CTO

EUGÉNIE PEZÉ-HEIDSIECK

Cofounder & CTO



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EDUCATION

PhD -Sept 2019 - University Pierre et Marie Curie - Brain, Cognition and Behavior (College de France, Paris)

- *"Dissecting the role of Engrailed in the survival and physiology of the dopaminergic neurons"*
- *Thesis Director: Alain Prochiantz*

AgroParisTech (2012 - 2015) - French "Grande Ecole" - Engineering Diploma - Corresponds to End of Bachelor and MSc:

- *Year 1/2: « Engineering and Health: Man, bio-products, and environment».*
  - *Courses: Bioengineering for health, Structural biology, Integrative biology, Statistics*
- *Student exchange at the Federal University of Santa Catarina (Brazil) in cellular biology.*
  - *Courses: Introduction to bioinformatics*
- *Year 3: Master of science in Biomolecules Engineering with Ecole polytechnique, CEA Saclay, CNRS.*
  - *Courses: Crystallography, Proteomics, and Enzymology*

Université Pierre et Marie Curie (2013 - 2014)

- *Master of science in Cellular and Molecular Biology.*
  - *Courses: Advanced Immunology, Genetics*

Lycée Saint Louis (2010 - 2012) - Classe préparatoire BCPST, (Paris)

- *Intensive courses in biology, chemistry, mathematics and physics in preparation for the competitive examinations to the French*
  - *Grandes Ecoles for biological studies*

PROFESSIONAL EXPERIENCE

Current cofounder & CTO at Nûmi (MUMILK SAS) since January 2023

Jan 2020 - Aug 2022 Columbia University, PostDoctoral Appointment Franck Polleux' lab

I studied the role of human specific duplication in the evolution of the human cortex. I worked on mice models using highly precise surgery techniques followed by imaging and molecular analysis. I also coded the website of our lab in React during the pandemic.

May 2016-Sept 2019 Collège de France, Centre Interdisciplinaire de Biologie, PhD Candidate, Alain Prochiantz' lab

I worked on the neuroprotective effects of Engrailed in Parkinson Disease (PD). My work led to a publication in EMBO Journal paving the way for potential new therapies for PD.

Sept 2015 - May 2016 Commissariat à l'Energie Atomique (CEA), Imeti, SRHI, PhD Candidate, Edgardo Carosella's lab

HLA-G, usually expressed during pregnancy for its immuno-repressive capacities, was also shown to be expressed in tumors of Clear Cell Renal Cell Carcinoma. This could potentially explain the tumor's ability to evade the immune response. The aim of the project was to better characterize HLA-G's expression (types of isoforms, localization...) in tumors of patients suffering from the disease as
well as testing a potential Anti-HLA-G therapy (in the manner of the Anti PD1/PDL1) in order to reactivate the immune response.

Jan - July 2015 Columbia University (New York, US), Research intern, Michael Shelanski's lab

Conducted specific down-regulation of ATF4, a transcription factor, by lentiviral infection of mice hippocampal neurons primary culture. The read-out consisted of analyzing the phenotype of the neuronal dendrites, assessing synaptic plasticity and understanding the molecular signaling involved.

July-August 2014 Maastricht University (Netherlands), Research intern, Wim Saris's lab

Translational Reasearch aiming at deciphering the effect of exercise and training on fat oxidation during overfeeding in Men. Management of the patients, collecting clinical features and analyzing data with R.

April-June 2014 Federal University of Santa Catarina (UFSC, Brazil), Research intern at the Intelab

Assess Aloe vera's potential protective effect on keratinocytes cells by performing MTT assays.

PUBLICATIONS

- *Blockus H, Rolotti SV, Szoboszlay M, Peze-Heidsieck E, ... Losonczy A, Polleux F. Synaptogenic activity of the axon guidance molecule Robo2 underlies hippocampal circuit function. Cell Rep. 2021. Link to Article*
- *Peze-Heidsieck E, Bonnifet T, Znaidi R, Ravel-Godreuil C, Massiani-Beaudoin O, Joshi RL, Fuchs J. Retrotransposons as a Source of DNA Damage in Neurodegeneration. Front Aging Neurosci. 2022 Link to Review*
- *Co First Author. Blaudin de Thé FX, Rekaik H, Peze-Heidsieck E, Massiani-Beaudoin O, Joshi RL, Fuchs J, Prochiantz A. Engrailed Homeoprotein blocks degeneration in adult dopaminergic neurons through LINE-1 repression. EMBO J. 2018. Link to Article*
- *Pasini S, Liu J, Corona C, Peze-Heidsieck E, Shelanski M, Greene LA. Activating transcription Factor 4 (ATF4) modulates RhoGTPase levels and function via regulation of RhoGDIAa. Scientific Reports. 2016. Link to Article*

TECHNIQUES AND SKILLS

Models:

- *Cell Primary Culture of Cortical Neurons,*
- *Astrocytes, Coculture*
- *Cell Lines (HEK29T, Hela, Fibroblasts)*
- *Animal experimentation on Rodents (French*
- *Certification for Project Conception and Surgery)*
- *Lentiviral production and stereotaxic intracranial*
- *Injections*
- *In Utero Electroporation*

Transcriptome Analysis:

- *DNA and RNA extractions*
- *RT-qPCR*

Proteome/Interactome Analysis:

- *Cryostat and Immunohistochemistry on brain sections*
- *Chromatin Immunoprecipitation*
- *Co-Immunoprecipitation*
- *Western Blotting and Dot-Blotting*

Microscopy and Informatics tools:

- *Confocal Imaging*
- *FRET Imaging in learning*
- *ImageJ*
- *React and React native, MatLab, and R Statistics*

LANGUAGES

- *French: Mother tongue*
- *English: Bilingual (IELTS score 8, CAE Cambridge)*
- *German: Upper Intermediate*
- *Portuguese: Fluent (CELPE Bras Examinations: Intermediario superior)*

PARTICIPATION TO INSTITUTE/LABORATORY SCIENTIFIC COMMUNITY LIFE

Summer Schools/Conferences/Diverse

- *Participation at the FENS Summer School on Brain Organoids (Bertineuro Italy, 2018) - Poster Presentation*
- *Poster presentation at Keystone Symposia Conference on Aging and Age related diseases (Yokohama, Japan, 2016)*
- *Selected for "My Thesis in 180 seconds" competition at University Pierre et Marie Curie (2017)*

Summer Schools/Conferences/Diverse

- *Communications agent for the Chadoc committee (PhD and Postdoc Association of the College de France)*
- *In charge of the weekly Biology Institute's Seminars in 2017*
- *In charge of the animal facility mice line and interaction with the animal attendants for the team*
- *Co-funded Zuckerman Institute for Gender Inclusion at Columbia University - Organized Seminars and talks*

HOBBIES

Triathlon (Ironman distance, 13h48; Marathon 4h10), Cello, Sewing, Dance (classical and modern jazz 4,5h/week at the Conservatoire Erik Satie), Flying

CV Eden Banon, Co-fondatrice & CEO

EDEN BANON-LAGRANGE

Cofounder & CEO



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EDUCATION

2013-2018 - Dauphine University, Paris France

- *Masters in International Business (MIB)*
- *Bachelors Applied Economics - Management*
- *Exchange semester at Schulich School of Business, Toronto (Sept- Dec 2015)*

PROFESSIONAL EXPERIENCE

Current cofounder & CEO at Nūmi (MUMILK SAS) since January 2023

Jan 2020 - July 2022 - Entrepreneur First, Paris, France

- *Manager - Talent and Operations, March 2021 - July 2022*
- *Associate - Talent and Operations, Jan 2020 - Feb 2021*

Entrepreneur First invests in individuals before they have an idea or a team and helps them meet their co-founder, build a startup from scratch and secure funding from leading investors. Combined portfolio value of over 10 Bn$ with over 500 companies composing its portfolio.

Led all Talent related activities for EF in France:

- *Created scalable processes to manage an annual funnel of over 2000 applicants*
- *Created playbooks to select and attract top talents to build 2 cohorts per year of over 50 entrepreneurs each*
- *Managed 4 acquisition channels: organic, sourcing (similar to a sales funnel), digital marketing and referrals*
- *Developed our brand awareness in France through content creation, events organization and PR activities*
- *Cultivated best practices and managed performance across team while supporting the launch of new strategic products*
- *Created and nurtured partnerships in the tech and entrepreneurial ecosystem*
- *Built, trained and managed a team of 3*
- *Worked alongside over 30 entrepreneurs to help them find their co-founder and challenge them in the early days of their company creation (ideation, customer discovery)*

Jan 2020 - July 2022 - Entrepreneur First, Paris, France

- *Business Development Director - Invest in France*

In charge of attracting US investment across 17 states, portfolio of companies in Tech & Services - 160% of objectives achieved (investment projects validated).

- *Prospected and activated a portfolio of clients*
- *Built and nurtured key relationships with C-level executives (conducted over 75 business meetings with companies ranging from startups to Fortune 500) to define their investment projects and plan for their operational success*
- *Participated in conferences, trade shows and seminars across the US, highlighting France's core strengths to attract foreign investment*

Sept 2017 - Sept 2018 - La Française Group Paris, France

- *Business Developer and Project Manager for the B2C fintech Moniwan*

La Française Group offers investment solutions for third parties and has over 50 Bn€ in assets under management.

- *Developed strategic partnerships, contributed to building its growth and internationalization strategy*
- *Created and presented industry, competitor and customer insight to the leadership team (qualitative and quantitative)*
- *Developed and maintained relationships with key internal players to identify emerging needs and business challenges*

Sept 2017 - Sept 2018 - La Française Group Paris, France

- *Business Analyst and Sales Assistant - Small and Medium-sized businesses*
  - *In charge of sales monitoring and forecasts, improved analysis tools, implemented an automated management system and conducted quarterly reports for the EMEA management team*
  - *Orchestrated weekly meetings between account managers and leadership team for further mutual understanding and plan adjustment on gap to targets*
  - *Supported the sales team by building sales proposals and contributing to RFP responses*

PROJECTS

Sept - Dec 2019 - Vitae Project - Art and Science project

Vitae Project is a participative artwork, an art and science project seeking to unite people across our Globe. Support in communication and operations for this project aiming at building the first deployable sculpture on the moon.

Dauphine Junior Consulting

- *Vice-President - Business, 2014-2015*

Dauphine Junior Consulting is a 40 member student-led association that supports French and international companies by offering consulting services specialized in financial and strategic analysis as well as in marketing and communication. Managed the business department, in charge of attracting and cultivating key clients.

LANGUAGES

- *French: Mother tongue*
- *English: Bilingual*
- *Italian: Beginner*
- *Russian: Beginner*