

# ANTOINE GRAINDORGE, PhD

Scientific Graphic Designer / Science Communication

- 20+ years of expertise in RNA biology, Biochemistry, Molecular and Cell biology
- Hybrid experience in Academia (2002-2018) and Industry (since 2018)
- Design and Management of innovative research projects
- Trained in top international research centers
- Excellent science communication skills

## CONTACT

📍 Paris, France

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## WORK EXPERIENCE

### From 2025: Scientific Graphic Designer

[Pixell Biology \(Paris\)](#)

*Company objective: Custom-made visuals to facilitate science communication*

- Founder and Director of publication of Pixell Biology (pixellbiology.com)

### 2018-2023: R&D Senior Project Manager

[Scipio bioscience \(Paris\)](#)

*Company objective: Facilitate access to single-cell RNA studies*

- Core member in the development of a single-cell RNA kit (Asteria), from preliminary experiments to product launch (Co-inventor of the technology).
- Led a 8-person multidisciplinary team, coordinating experimental and computational biology expertises.
- Involved beyond R&D in the product development process: Industrialization, Communication, Business Development, Marketing.

### 2013-2018: Post-doctoral fellow

[Institut Curie \(Paris, Toronto, Barcelona\)](#)

*Research topic: Molecular mechanisms of non coding RNAs*

- Led the development of a methodology enabling the high-throughput identification of RNA-protein interactions (incPRINT).
- Developed the project from idea to peer-reviewed publication, by coordinating collaborative research between three renowned international research centers: Institut Curie (Paris), CCBR (Toronto) and CRG (Barcelona).
- Granted two travelling fellowships for research and travel expenses (from « EMBO » and « The Company of Biologists »; peer-reviewed selected project).

### 2007-2013: Post-doctoral fellow

[Centre for Genomic Regulation \(Barcelona\)](#)

*Research topic: Sex-specific mRNA regulation in Drosophila*

- Discovered proteins required for sex-specific mRNA regulation.
- Dissected novel pathways ensuring female-specific gene regulation.
- Wrote a comprehensive review of field.
- Granted a post-doctoral fellowship (from "Fondation pour la Recherche Médicale"; Peer-reviewed selected project).

### 2003-2006: PhD fellow

[Institut de Génétique et Développement \(Rennes\)](#)

*Research topic: mRNA regulation during Xenopus development*

- Identified the mRNAs regulated during developmental key stages.
- Discovered the mRNAs targeted by translational inactivation by EDEN-BP/CUG-BP1.
- Obtained an academic merit-based scholarship for doctoral research from the French Ministry of Research and Education.

## EDUCATION

### PhD in Biology

Univ. Rennes 1 (2006)

### MS in Life Science

Univ. Rennes 1 (2003)

## LANGUAGES

### French

Native speaker

### English

Fluent

### Spanish

Fluent

## ADDITIONAL SKILLS

### Project management

- Five years experience in industry (2018-2023)
- 70h Training (CEGOS)

### Teaching

- University of Sorbonne-Paris-Cité (2015-2017)
- Lectures (to Bachelor Degree level): "Role of long non-coding RNAs in gene regulation"

### Informatic programming

- Python (beginner-to-intermediate level; Datacamp training)

### Science Illustration

- TOSA certification for Adobe Illustrator, Photoshop and InDesign

## PEER-REVIEWED ARTICLES

### Scipio bioscience

- Komatsu J, (...) **Graindorge A**, (...) Edelstein S. "RevGel-seq: instrument-free single-cell RNA sequencing using a reversible hydrogel for cell-specific barcoding", *Scientific Reports*, **2023** Mar 24;13(1):4866.

### Institut Curie

- **Graindorge A**, (...) Heard E, Taipale M, Shkumatava A. "In-cell identification and measurement of RNA-protein interactions", *Nature Communications*, **2019** Nov 22;10(1):5317.

### Centre for Genomic Regulation

- Szostak E, (...) **Graindorge A**, (...) Gebauer F. "Hrp48 and eIF3d contribute to *msl-2* mRNA translational repression", *Nuc. Acid Res.*, **2018** 46 (8) : 4099-4113.
- **Graindorge A**, (...) Gebauer F. "Sex-lethal promotes nuclear retention of *msl2* mRNA via interactions with the STAR protein HOW", *Genes Dev.*, **2013** Jun 15;27(12):1421-33.
- **Graindorge A**, (...) Gebauer F. "Post-transcriptional control of X-chromosome dosage compensation" *Wiley Interdisciplinary Reviews – RNA*, **2011**, 2(4):534-45.

### Institut de Génétique et Développement

- **Graindorge A**, (...) Audic Y. "Identification of CUG-BP1/EDEN-BP target mRNAs in *Xenopus tropicalis*." *Nuc. Acid Res.*, **2008**, 36 (6) : 1861-70.
- **Graindorge A**, (...) Audic Y. "Identification of post-transcriptionally regulated *Xenopus tropicalis* maternal mRNAs by microarray." *Nuc. Acid Res.*, **2006**, 34(3) : 986-995.
- Osborne HB, (...) **Graindorge A**, (...) Paillard L. "Post-transcriptional regulation in *Xenopus* embryos: role and targets of EDEN-BP." *Biochem. Soc. Trans.*, **2005**, 33(6):1541-1543.
- Gautier-Courteille C, (...) **Graindorge A**, (...) Paillard L. "EDEN-BP dependent post-transcriptional regulation of gene expression in *Xenopus* somitic segmentation." *Development*, **2004**, 131(24):6107-17.