Dr Andrea Dimitracopoulos

Co-founder and President of DeepMirror andrea@deepmirror.ai

MOST RELEVANT AWARDS

St John's College Research Associateship — Cambridge - UK, 2018
Herchel Smith Postdoctoral Fellowship — Cambridge - UK, 2018
EPSRC MRes and PhD Scholarship — London - UK, 2010 - 2014

EDUCATION

PhD in Theoretical Physics and Cell Biology — London - UK, 2011 - 2016
MRes in Modelling Biological Complexity — London - UK, 2010 - 2011
MSc in Biomedical Engineering (1st Class Honours) — Pisa - Italy, 2007 - 2009
BSc in Biomedical Engineering (1st Class Honours) — Pisa - Italy, 2004 - 2007

MOST RELEVANT COURSES

Home Office PIL Course — Cambridge - UK, 2017
CRISPR Genome Editing: Design & Strategy — Cambridge - UK, 2017
Microscopy, Modelling and Biophysical Methods — Heidelberg - Germany, 2012

MOST RELEVANT RESEARCH EXPERIENCE

Franze Lab - Postdoc — University of Cambridge, 2016 - 2022
Piel Lab - Visiting Student — Curie Institute, April - July 2014
Baum and Duke Lab - PhD Student — University College London, 2011 - 2016

MOST RELEVANT PUBLICATIONS

Peer-reviewed research articles

Dimitracopoulos, A., Srivastava, P., Chaigne, A., Win, Z., Shlomovitz, R., Lancaster, O. M., Le Berre, M., Piel, M., Franze, K., Salbreux, G. and Baum, B. (2020). Mechanochemical Crosstalk Produces Cell-Intrinsic Patterning of the Cortex to Orient the Mitotic Spindle. *Current Biology* 30, no. 18: 3687-3696.e4. https://doi.org/10.1016/j.cub.2020.06.098

Rheinlaender, J., **Dimitracopoulos, A.**, Wallmeyer, B., Kronenberg, N. M., Chalut, K. J., Gather, M. C., Betz, T., Charras, G. and Franze, K. (2020). Cortical Cell Stiffness Is Independent of Substrate Mechanics. *Nature Materials* 19, no. 9: 1019–25. https://doi.org/10.1038/s41563-020-0684-x

Jakobs, M. A. H., **Dimitracopoulos, A.** and Franze, K. (2019). KymoButler, a Deep Learning Software for Automated Kymograph Analysis. *ELife* 8: e42288. https://doi.org/10.7554/eLife.42288

Lancaster, O. M., Le Berre, M., **Dimitracopoulos, A.**, Bonazzi, D., Zlotek-Zlotkiewicz, E., Picone, R., Duke, T., Piel, M. and Baum, B. (2013). Mitotic Rounding Alters Cell Geometry to Ensure Efficient Bipolar Spindle Formation. *Developmental Cell* 25, no. 3: 270–83. https://doi.org/10.1016/j.devcel.2013.03.014