

# Ioannis Ntekas

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## Education

- 2020 - present      **PhD in Biomedical Engineering program (expeced graduation Fall 2025)**  
*Cornell University*  
Advisor: Iwijn De Vlamincx  
Research Area: Singe-cell and spatial transcriptomics of complex microbial communities
- 2012 - 2019      **Integrated Master's degree in Chemical Engineering**  
*National Technical University of Athens, School of Chemical Engineering*  
Master's Thesis Advisor: Antonis Kokossis (NTUA), Vassily Hatzimanikatis (EPFL)  
Thesis tile: "A systems approach on the integration of metabolic engineering and processes engineering: the case of kerosene-producing *Saccharomyces cerevisiae* "

## Experience

- 09/2020 - present      **Graduate Research Assistant, De Vlamincx Lab**  
*Cornell University*
- 02/2020 - present      **international Genetically Engineered Machine (iGEM) Cornell team (Advisor)**  
team distinctions: Silver medal (2021), Gold medal (2022), Gold medal (2023)
- 04/2018 - 10/2019      **international Genetically Engineered Machine (iGEM) Thessaly team (Advisor)**  
project: ODYSSEE: a modular platform for field diagnosis of Tuberculosis"  
team distinctions: Gold medal and best Diagnostics project
- 09/2017 - 10/2018      **international Genetically Engineered Machine (iGEM) Athens team (Team Lead)**  
project: Toehold-Switch enabled viral detection via routine glucose monitoring technology  
team distinctions: Bronze medal
- 01/2017 - 08/2017      **Hitachi Research Laboratory, Hitachi Ltd. , Ibaraki, Japan (Intern)**  
project: Development of a mammalian-cell perfusion culture for mAbs production

## Community leadership

- 08/2023 - present      **Graduate Community Advisor, Hasbrouck Appartments**  
*Cornell University*

## Awards

- 2021      **Danone North America Gut Microbiome, Yogurt and Probiotics Fellowship Grant**
- 08/2020 - 12/2020      **Cornell Fellowship**
- 01/2017 - 08/2017      **Vulcanus in Japan 2016-2017 programme traineeship**  
the scholarship is provided by the EU-Japan  
Centre for Industrial Cooperation

## conferences and invited talks

- Mar 14 2024      **Curio Biosciences invited Talk**  
*Ithaca, NY, USA*
- Apr 19 2023      **Nucleic Acids research meeting**  
*New York City, NY, USA*
- Nov 11 2020      **2020 Virtual AIChE Annual Meeting**  
*San Francisco, CA, USA*
- May 29-31 2019      **12th Panellenic Scientific Conference of Chemical Engineering,**  
*Athens, Greece*
- Mar 29-30 2019      **1st SynBio Conference in Cyprus**  
*Nicosia, Cyprus*
- Oct 24-28 2018      **iGEM Giant Jamboree**  
*Boston, MA, USA*

## Publications

- 2023      **Ntekas, I.,** De Vlamincx, I. Spatial methods for microbiome–host interactions.  
Nat Biotechnol (2023). <https://doi.org/10.1038/s41587-023-01996-1>
- Grodner B, Shi H, Farchione O, Vill AC, **Ntekas I**, Diebold PJ, Zipfel WR, Brito IL, Vlamincx I.  
Spatial Mapping of Mobile Genetic Elements and their Cognate Hosts in Complex Microbiomes.  
bioRxiv. doi: 10.1101/2023.06.09.544291.