

# Stanford

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## Ahmed Arslan

Postdoctoral Research Fellow, Anesthesiology, Perioperative and Pain Medicine

### Bio

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#### HONORS AND AWARDS

- Nominated for International Society of Computational Biology Fight Against Ebola Award, International Society of Computational Biology (ISCB) (July 2016)
- Research Scholarship for training of biological applications of microfluidics devices, imec (May 2013)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Katholieke Universiteit Leuven (2017)
- Master of Science, Swedish University of Agricultural Sciences (2013)

#### LINKS

- Twitter: <https://twitter.com/AhmedArslan>
- Github: <https://github.com/AhmedArslan>

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

The focus of the research is to understand the impact of genomic variations appear in the experimental models on biological networks and pathways. To elaborate and interpret our findings from opioid addict mouse models we integrate multi-omics data. The integration of omics data can provide details of driver mutations and new outline of genotype to phenotype relationship.

### Publications

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#### PUBLICATIONS

- **The Phosphatidylethanolamine Biosynthesis Pathway Provides a New Target for Cancer Chemotherapy.** *Journal of hepatology*  
Guan, Y., Chen, X., Wu, M., Zhu, W., Arslan, A., Takeda, S., Nguyen, M. H., Majeti, R., Thomas, D., Zheng, M., Peltz, G.  
2019
- **yMap: an automated method to map yeast variants to protein modifications and functional regions** *Bioinformatics*  
Arslan, A., Noort, V. v.  
2017
- **Evolutionary conservation of Ebola virus proteins predicts important functions at residue level** *Bioinformatics*  
Arslan, A., Noort, V. v.  
2017

## **PRESENTATIONS**

- Post-Translational Modifications: potential drug targets for Ebola virus disease - Centre of Microbial and Plant Genetics - KU Leuven