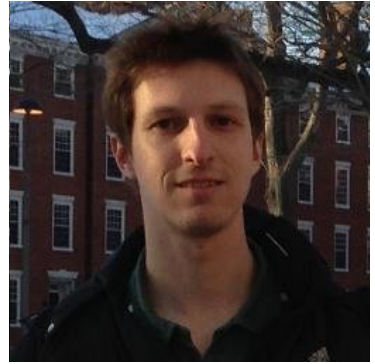


DARLAN CONTERNO MINUSSI

I'm a computational and experimental biologist with interest in cancer research.

Currently a PhD candidate leveraging single-cell genomics to understand tumor evolution and mechanisms of metastasis. I am passionate about topics that can help progress cancer research and reduce the disease burden faced by patients. I am also actively looking for ways to promote scientific communication and education.



EDUCATION

2021
|
2016

PhD Student, Quantitative Sciences

The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences

 Houston, TX

- Quantitative Sciences Graduate Program, Bioinformatics track. Graduate Research Assistant
- Working on single-cell copy number data to understand breast cancer tumor heterogeneity
- Advisor: Nicholas Navin, PhD

2015
|
2013

MSc, Cellular and Molecular Biology

Federal University of Rio Grande do Sul, UFRGS

 Porto Alegre, RS, Brazil

- Thesis: OncoProSim: A tool for in silico tumor evolution analysis
- Advisor: Guido Lenz, PhD. Co-Advisor: Manuel Menezes de Oliveira Neto, PhD

2013

BS, Biomedicine (Senior year)

Harvard University/Beth Israel Deaconess Medical Center

 Boston, MA

- Thesis: A20 promotes ubiquitination and degradation of Caspase-8 to protect from TRAIL mediated apoptosis: The need to tailor anti-cancer therapies to the molecular signature of the tumor
- Advisor: Márcia Rosângela Wink, PhD. Co-Advisors: Cleide Gonçalves da Silva, PhD and Christiane Ferran, PhD

2012
|
2009

BS, Biomedicine

Federal University of Health Sciences of Porto Alegre, UFCSPA

 Porto Alegre, RS, Brazil

POSITIONS

2021
|
2016

Graduate Research Assistant

The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences

 Houston, TX

- Breast Tumors Maintain a Reservoir of Subclonal Diversity During Expansion
- Advisor: Nicholas Navin

2013
|
2011

Undergraduate Researcher

Federal University of Rio Grande do Sul, UFRGS

 Porto Alegre, RS, Brazil

- Investigating the role of NTPDase2 on cellular adhesion.
- Advisor: Guido Lenz. Co-Advisor: Márcia Rosângela Wink

2011
|
2010

Undergraduate Researcher

Federal University of Health Sciences of Porto Alegre, UFCSPA

 Porto Alegre, RS, Brazil

- Impact of environmental pollution in health

CONTACT



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github.com/darlanminussi



PUBLICATIONS

- 2021 **MEDALT: single-cell copy number lineage tracing enabling gene discovery**
Genome Biology
· Wang, F., Wang, Q., Mohanty, V., Liang, S., Dou, J., Han, J., Minussi, D. C., Gao, R., Ding, L., Navin, N., Chen, K.
- 2021 **Breast Tumors Maintain a Reservoir of Subclonal Diversity During Expansion**
Nature
· Minussi, D. C., Nicholson, M. D., Ye, H., Davis, A., Wang, K., Baker, T., Tarabichi, M. Sei, E. Du, H., Rabanni, M., Peng, C., Hu, M., Bai, S. Lin, Y., Schalck, A., Multani, A., Ma, J., McDonald, T. O., Casasent, A., Barrera, A., Chen, H., Lim, B., Arun, B. Meric-Bernstam, F. Van Loo, P., Michor, F. Navin, N.
- 2019 **esiCancer : Evolutionary In Silico Cancer Simulator**
Cancer Research
· Minussi, D. C., Henz, B., Oliveira, S., Filippi-chiela, E. C., Oliveira, M. M., & Lenz, G.
- 2018 **Analysis of NTPDase2 in the cell membrane using fluorescence recovery after photobleaching (FRAP)**
Cytometry Part A
· Kipper, F.C., A.S.K. Tamajusuku, D.C. Minussi, J.E. Vargas, A.M.O. Battastini, E. Kaczmarek, S.C. Robson, G. Lenz, and M.R. Wink
- 2018 **Systematic Functional Annotation of Somatic Mutations in Cancer**
Cancer Cell
· Ng PK, Li J, Jeong KJ, Shao SI, Chen H, Tsang YH, Sengupta S, Wang Z, Bhavana VH, Tran R, Soewito S, Minussi DC, Moreno D, Kong K, Dogruluk T, Lu H, Gao J, Tokheim , Zhou DC, Johnson AM, Zeng J, Ip CKM, Ju Z, Wester M, Yu S, Li Y, Vellano CP, Schultz N, Karchin R, Ding L, Lu Y, Cheung LWT, Chen K, Shaw KR, Meric-Bernstam F, Scott KL, Yi S, Sahni N, Liang H, Mills GB.
- 2016 **Culture conditions tailored to the cell of origin are critical for maintaining native properties and tumorigenicity of glioma cells**
Neuro-Oncology
· Ledur PF, Liu C, He H, Harris AR, Minussi DC, Zhou H, Shaffrey ME, Asthagiri A, Lopes MBS, Schiff D, Lu Y, Mandell JW, Lenz G, Zong, H
- 2014 **A20 regulates atherogenic interferon (IFN)-gamma signaling in vascular cells by modulating basal IFNbeta levels**
The Journal of biological chemistry
· Moll HP, Lee A, Minussi DC, da Silva CG, Csizmadia E, Bhasin M, Ferran C
- 2014 **A20 expressing tumors and anticancer drug resistance.**
Advances in experimental medicine and biology
· da Silva CG, Minussi DC, Ferran C, Bredel M
· Book Chapter
- 2013 **A20 promotes liver regeneration by decreasing SOCS3 expression to enhance IL-6/STAT3 proliferative signals**
Hepatology
· da Silva CG, Studer P, Skroch M, Mahiou J, Minussi DC, Peterson CR, Wilson SW, Patel VI, Ma A, Csizmadia E, Ferran C



AWARDS

2022
|
2021

Fellowship

The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences

- Schissler Foundation Fellowship

2021

Scholarship

The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences

- GSBS Presidents' Research Scholarship

2018

Travel Award

The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences

- Cold Spring Harbor Asia conference on Frontiers in Single Cell Genomics
- Quantitative Sciences Program

2013
|
2012

Fellowship

National Counsel of Technological and Scientific Development, CNPq, Brazil

- Science Without Border Fellowship

2011

Poster Award

Federal University of Health Sciences of Porto Alegre, UFCSPA

📍 Federal University of Health Sciences of Porto Alegre, UFCSPA

- Interference of NTPDase2 in cellular adhesion



TEACHING

2019

Teaching Assistant

The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences

📍 Houston, TX

- Introduction to Bioinformatics
- Graduate level class

2019

Lecturer

📍 Houston, TX

- ASC Data Visualization Workshop

2014

Teaching Assistant

Federal University of Health Sciences of Porto Alegre, UFCSPA

📍 Porto Alegre, RS, Brazil

- Molecular Biology, course of Biomedicine
- Undergraduate level class

2011

Teaching Assistant

Federal University of Rio Grande do Sul, UFRGS

📍 Porto Alegre, RS, Brazil

- Methods in Biophysics, course of Biomedicine
- Undergraduate level class



COMMITTEES

2018

Student Council

The University of Texas MD Anderson Cancer Center UTHealth Graduate School of

Biomedical Sciences

📍 Houston, TX

- Quantitative Sciences Program
- Member

2011
|
2010

Student Council

Federal University of Health Sciences of Porto Alegre, UFCSPA

📍 Porto Alegre, RS, Brazil

- Biomedicine
- President