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Employment

Postdoctoral Researcher

Institute for Molecular Medicine Finland
University of Helsinki
Finland
1 Nov 2022 → present

Bioimage Profiling

University of Helsinki
Finland
1 Mar 2022 → present

Publications

Application of Self Supervised Vision Transformers for Multiplexed Microscopy Images and Its Challenges

Atarsaikhan, G., Mogollon Figueroa, I., Välimäki, K., Pellinen, T., Mirtti, T. & Paavolainen, L., 16 Dec 2023.

Imaging Cellular Mechanisms of Oral Ectodermal Development and Disease

Mogollon Figueroa, I., 12 Sept 2022, University of Helsinki. 70 p.

Foxi3 Suppresses Signaling Center Fate and is Necessary for the Early Development of Mouse Teeth

Mogollon Figueroa, I., 18 Jun 2022, In: bioRxiv. 46 p., 2022.07.18.500404.

The initiation knot is a signaling center required for molar tooth development

Mogollon Figueroa, I., Moustakas-Verho, J. E., Niittykoski, M. J. & Ahtiainen, L., May 2021, In: Development. 148, 9, 16 p., 194597.

Live Tissue Imaging Sheds Light on Cell Level Events During Ectodermal Organ Development

Mogollon, I. & Ahtiainen, L., 16 Jul 2020, In: Frontiers in Physiology. 11, 14 p., 818.

p75 Neurotrophin Receptor Signaling Activates Sterol Regulatory Element-binding Protein-2 in Hepatocyte Cells via p38 Mitogen-activated Protein Kinase and Caspase-3

Pham, D. D., Do, H. T., Bruelle, C., Kukkonen, J., Eriksson-Rosenberg, O., Mogollon Figueroa, I., Korhonen, L., Arumäe, U. & Lindholm, D. B., 13 May 2016, In: Journal of Biological Chemistry. 291, 20, p. 10747-10758 12 p.

Análisis químico preliminar y actividad antimicrobiana de los extractos obtenidos de cuatro especies del género Xylaria

Mogollon Figueroa, I., Moreno, S., Iturriaga, T. & Taddei, A., 2013, In: Avances en Ciencias e Ingenieria. p. 75-83 9 p., Vol. 4, N°. 1, 2013.

Projects

COMPASS Era PERMED: Fenotypisen lääkeaineseulonnan kliininen toteutus lasten syöpäsairauksien täsmälääketieteessä (COMPASS)

Kallioniemi, O. (Project manager), Pietiäinen, V. (Co-Principal Investigator), Buchwald, J. (Participant), Feodoroff, M. J. (Participant), Kuusela, S. (Participant), Merivirta, R.-M. (Participant), Mogollon Figueroa, I. (Participant), Potdar, S. (Participant), Saarela, J. (Participant) & Turunen, L. (Participant)
European Commission, Suomen Akatemia Projektilaskutus
01/01/2019 → 30/04/2023

Pan-cancer tumor microenvironment exploration with vision transformers

Paavolainen, L. (Project manager), Atarsaikhan, G. (Participant), Mogollon Figueroa, I. (Participant) & Mogollon Figueroa, I. (Participant)
Syöpäsäätiö sr Cancerstiftelsen sr
01/01/2023 → 31/12/2024

SYÖPÄSÄÄTIÖ 2023 HORVATH PETER

Pietiäinen, V. (Project manager), Mogollon Figueroa, I. (Participant) & Polso, M. M. M. (Participant)
Syöpäsäätiö sr Cancerstiftelsen sr
01/01/2023 → 31/12/2024

Uncovering patterns in cancer cells with visual representation learning

Paavolainen, L. (Project manager), Atarsaikhan, G. (Participant), Mogollon Figueroa, I. (Participant) & Sanian, M. V. (Participant)
01/09/2021 → 31/08/2026