

Rodrigo A. Morales – Curriculum Vitae

1. Personal Information

Last name(s), given names: Morales Castro, Rodrigo Alonso.

Citizenship: Chilean.

Date of birth: 25th April 1989.

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2. Education/Training

INSTITUTION	DEGREE (if applicable)	Completion Date (MM/YYYY)	FIELD OF STUDY
Karolinska Institutet (Stockholm, Sweden)	Postdoc	In progress	Cell and Molecular Biology, Mucosal Immunology
Universidad de Chile (Santiago, Chile)	Ph.D.	07/2018	Cell and Molecular Biology, Immunology
Universidad de Chile (Santiago, Chile)	Professional title (M.Sc. equivalent)	03/2013	Immunology and Cell Biology
Universidad de Chile (Santiago, Chile)	B.Sc.	06/2011	Biotechnology

3. Grants/Fellowships/Scholarships/Honors

2022	Marcus Borgström Foundation Grant (Sweden).
2020 – 2021	Karolinska Institutet Research Grant (Sweden).
2020 – 2022	CONICYT/ANID “Becas Chile” Fellowship for postdoctoral training (Chile).
2019	Boehringer Ingelheim Travel Grant for attendance to courses (Germany).
2016, 2017	Zebrafish Disease Models Society award for attendance to conferences (USA).
2014, 2015, 2016	CONICYT scholarship for attendance to scientific meetings and courses (Chile).
2013 – 2017	CONICYT scholarship for doctoral studies (Chile).
2014	EMBO Travel Grant for attendance to courses (Germany).
2013	“Best Basic Science Work” conferred by the Chilean Society for Transplantation during “IV Congreso Chileno de Trasplante” (Chile).

4. Positions

2018 – present	Postdoctoral researcher. Eduardo Villablanca’s group (Karolinska Institutet, Sweden).
2014 – 2018	PhD candidate. Miguel Allende’s group (Universidad de Chile, Chile).
2016	Visiting PhD student. Graham Lieschke’ group (Monash University, Australia).
2013	PhD trainee. Karina Pino-Lagos group (Universidad de Chile, Chile).
2013	PhD trainee. Marco Tulio Núñez’s group (Universidad de Chile, Chile).
2011 – 2012	Professional title/undergraduate thesis (MSc equivalent). Juan Carlos Aguillón’s group (Universidad de Chile, Chile).

5. Invitations to seminars/conferences

- 2022 Invited speaker at the FishClub Seminar. University of Bern (Switzerland).
- 2020 Invited speaker for the Uppsala Zebrafish Forum Seminars. Uppsala University (Sweden).

Rodrigo A. Morales – List of Publications (Updated Jul-2022)

H-index: 11 (Source: Publons ResearcherID)

Original publications: 17

1. **Morales RA**[#], Rabahi S, Diaz OE, Salloum Y, Kern BC, Westling M, Luo X, Parigi SM, Monasterio G, Das S, Hernandez PP, Villablanca EJ[#]. (2022). "Interleukin-10 regulates goblet cell numbers through Notch signaling in the developing zebrafish intestine". *Mucosal Immunol*. doi: 10.1038/s41385-022-00546-3. Online ahead of print ([#]corresponding authors).
2. Melhem H, Kaya B, Kaymak T, Wuggenig P, Flint E, Roux J, Cavelti-Weder C, Balmer ML, Walser JC, **Morales RA**, Riedel CU, Liberali P, Villablanca EJ, Niess JH. (2022). "Epithelial GPR35 protects from *Citrobacter rodentium* infection by preserving goblet cells and mucosal barrier integrity". *Mucosal Immunol*. 15(3):443-58.
3. Parigi SM, Larsson L, Das S, Ramirez Flores RO, Frede A, Tripathi KP, Diaz OE, Selin K, **Morales RA**, Luo X, Monasterio G, Engblom C, Gagliani N, Saez-Rodriguez J, Lundeberg J, Villablanca EJ. (2022). "The spatial transcriptomic landscape of the healing intestine following damage". *Nat Commun*. 13(1):828.
4. Diaz OE, Sorini C, Morales RA, Luo X, Frede A, Kraus AM, Chavez MN, Wincent E, Das S, Villablanca EJ. (2021). "Perfluorooctanesulfonic acid modulates barrier function and systemic T-cell homeostasis during intestinal inflammation". *Dis Model Mech*. 14(12):dmm049104.
5. Kaya B, Doñas C, Wuggenig P, Diaz OE, **Morales RA**, Melhem H, Swiss IBD Cohort Investigators, Hernández PP, Kaymak T, Das S, Hruz P, Franc Y, Geier F, Ayata CK, Villablanca EJ, Niess JH. (2020). "Lysophosphatidic Acid-Mediated GPR35 Signaling in CX3CR1+ Macrophages Regulates Intestinal Homeostasis". *Cell Rep*. 32(5):107979.
6. Diaz OE, Xue S, Luo X, Nava J, Appelblom A, **Morales RA**, Das S, Villablanca EJ. (2020). "Retinoic acid induced cytokines are selectively modulated by Liver X Receptor activation in zebrafish". *Reprod Toxicol*. 93:163-8.
7. Chávez MN, **Morales RA**, López-Crisosto C, Roa JC, Allende ML, Lavandero S. (2020). "Autophagy Activation in Zebrafish Heart Regeneration". *Sci Rep*. 10:2191.
8. Anguita-Salinas C, Sánchez M, **Morales RA**, Ceci ML, Rojas-Benítez D, Allende ML. (2019). "Cellular dynamics during spinal cord regeneration in larval zebrafish". *Dev Neurosci*. 41(1-2):112-22.
9. **Morales RA**, Allende ML. (2019) "Peripheral Macrophages Promote Tissue Regeneration in Zebrafish by Fine-tuning the Inflammatory Response". *Front Immunol*. 10:253.
10. Paredes-Zúñiga S, **Morales RA**, Muñoz-Sánchez S, Muñoz-Montecinos C, Parada M, Tapia K, Rubilar C, Allende ML, Peña OA. (2017). "CXCL12a/CXCR4b act to retain neutrophils in caudal hematopoietic tissue and to antagonize recruitment to an injury site in zebrafish larva". *Immunogenetics*. 69(5):341-9.
11. García-González PA, Schinnerling K, Sepúlveda-Gutiérrez A, Maggi J, Hoyos L, **Morales RA**, Mehdi AM, Nel HJ, Soto L, Pesce B, Molina MC, Cuchacovich M, Larrondo ML, Neira O, Catalán DF, Hilkens CM, Thomas R, Verdugo RA, Aguillón JC. (2016). "Treatment with Dexamethasone and Monophosphoryl Lipid A removes disease-associated transcriptional signatures in monocyte-derived dendritic cells from rheumatoid arthritis patients and confers tolerogenic features". *Front Immunol*. 7:458.
12. Carrillo SA, Anguita-Salinas C, Peña OA, **Morales RA**, Muñoz-Sánchez S, Muñoz-Montecinos C, Paredes-Zúñiga S, Tapia K, Allende ML. (2016). "Macrophage recruitment contributes to regeneration of mechanosensory hair cells in the zebrafish lateral line". *J Cell Biochem*. 117(8):1880-9.
13. Aguirre P, Mena NP, Carrasco CM, Muñoz Y, Pérez-Henríquez P, **Morales RA**, Cassels BK, Méndez-Gálvez C, García-Beltrán O, González-Billault C, Núñez MT. (2015). "Iron Chelators and Antioxidants Regenerate Neuritic Tree and Nigrostriatal Fibers of MPP+/MPTP-Lesioned Dopaminergic Neurons". *PLoS One*. 10(12):e0144848.
14. Gajardo T, **Morales RA**, Campos-Mora M, Campos-Acuña J, Pino-Lagos K. (2015). "Exogenous interleukin-33 targets myeloid-derived suppressor cells and generates periphery-induced Foxp3⁺ regulatory T cells in skin-transplanted mice". *Immunology*. 146(1):81-8.
15. **Morales RA**, Campos-Mora M, Gajardo T, Pérez F, Campos J, Aguillón JC, Pino-Lagos K. (2015). "Retinaldehyde dehydrogenase activity is triggered during allograft rejection and it drives Th1/Th17 cytokine production". *Immunobiology*. 220(6):769-74.

16. Campos-Mora M, **Morales RA**, Pérez F, Gajardo T, Campos J, Catalán D, Aguillón JC, Pino-Lagos K. (2014). "Neuropilin-1+ regulatory T cells promote skin allograft survival and modulate effector CD4+ T cell phenotypic signature". *Immunol Cell Biol.* 93(2):113-9.
17. García-González P*, **Morales R***, Hoyos L, Maggi J, Campos J, Pesce B, Gárate D, Larrondo M, González R, Soto L, Ramos V, Tobar P, Molina MC, Pino-Lagos K, Catalán D, Aguillón JC. (2013) "A Short protocol using dexamethasone and monophosphoryl lipid A generates tolerogenic dendritic cells that display a potent migratory capacity to lymphoid chemokines". *J Trans Med.* 11:128. (*Equal contributors).

Reviews/book chapters: 3

1. Diaz OE*, **Morales RA***, Das S, Villablanca EJ. (2019). "Experimental Models of Intestinal Inflammation: Lessons from Mouse and Zebrafish". In: Hedin C, Rioux J, D'Amato M (eds) *Molecular Genetics of Inflammatory Bowel Disease*. Springer, Cham. (Book chapter, *Equal contributors).
2. Gajardo Carrasco T, **Morales RA**, Pérez F, Terraza C, Yáñez L, Campos-Mora M, Pino-Lagos K. (2015). "Alarmin' Immunologists: IL-33 as a Putative Target for Modulating T Cell-Dependent Responses". *Front Immunol.* 6:232. (Review).
3. Campos-Mora M, **Morales RA**, Gajardo T, Catalán D, Pino-Lagos K. (2013). "Neuropilin-1 in transplantation tolerance". *Front Immunol.* 4:405. (Review).