



# ***New Investigator Accomplishments: August 2021***

## ▪ ***Career***

- Juan Alvarez, PhD: Promoted to Assistant Professor in the Department of Cell and Developmental Biology at the University of Pennsylvania (January 1, 2022)
- Leonardo M. R. Ferreira, PhD: Promoted to Assistant Professor of Microbiology and Immunology, Medical University of South Carolina and Hollings Cancer Center (July 1, 2021)



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## ■ ***New Grant Award***

- Rafael Arrojo e Drigo, PhD: Recipient of two awards:
  - Pilot and Feasibility (P&F) Award from Vanderbilt Diabetes Center (P30 DK020593)
  - dkNET New Investigator Pilot Program in Bioinformatics
- Vira Kravets, PhD: 2021 Recipient of a Burroughs Wellcome Fund, Career Awards at the Scientific Interface for the “Beta Cell Networks and Neural Interactions in Healthy and Diabetic Conditions
- Amelia Linnemann, PhD: Receipt of 1<sup>st</sup> NIH NIDDK R01 Grant Award for the “Autophagy/Antioxidant Response Coupling in Pancreatic Beta-Cell Homeostasis Regulation”



# ***New Investigator Accomplishments: August 2021***

## ■ **Research Accomplishment**

- Sangeeta Dhawan, PhD: Created a pancreatic progenitor lineage KO of the de novo methyltransferase Dnmt3a, established that early developmental regulation of new DNA methylation patterns is essential post-natal beta cell identity/function

## ■ ***Scientific Presentation:***

- Sangeeta Dhawan, PhD: Presentation at the 81st ADA sessions was chosen as President's select abstract: Epigenetic Regulation of Functional Beta-Cell Mass by Cohesin Smc3 by *Want et al.*



# ***New Investigator Accomplishments: August 2021***

## ■ **Research Publication(s)**

- Joana Almaca, PhD: “Functional Characterization of the Human Islet Microvasculature Using Living Pancreas Slices” in *Frontiers in Endocrinology*. 2021 by Goncalves et al
- Eddie James, PhD: “Means, Motive, and Opportunity: Do Non-Islet-Reactive Infiltrating T Cells Contribute to Autoimmunity in Type 1 Diabetes?” in *Frontiers in Immunology*. 2021 by Rodriguez-Calvo et al
- Robert Sharp, PhD: “The Immunoregulatory Role of the Signal Regulatory Protein Family and CD47 Signaling Pathway in Type 1 Diabetes” in *Frontiers in Immunology*. 2021 by Sharp et al (in review)



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## ■ **Research Publication(s)**

- Holger Russ, PhD: “ENTPD3 Marks Mature Stem Cell Derived Beta Cells Formed by Self-Aggregation *in Vitro*” in *Diabetes*. 2021 by *Docherty* et al.
- Holger Russ, PhD: “Protecting Stem Cell Derived Pancreatic Beta-Like Cells From Diabetogenic T Cell Recognition” in *Frontiers in Endocrinology*. 2021 by *Castro-Gutierrez* et al.
- Holger Russ, PhD: “Generation of functional human thymic cells from induced pluripotent stem cells. *Journal of Allergy and Clinical Immunology*. 2021 by *Ramos* et al.
- Holger Russ, PhD: “Strategies for durable  $\beta$  cell replacement in type 1 diabetes” in *Science*. 2021 *Brusko* et al.