

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter 2026 – CRN 29995

**Friday Seminar at 12:10-1 p.m.
Gourley Hall Room # 1102**

“Teamwork in the Field of Cell and Gene therapy”

Research Bio

Jan A. Nolta is the Director of the Stem Cell Program at UC Davis School of Medicine. Nolta also directs the Gene Therapy Center, both located in the Institute for Regenerative Cures. The current research in her laboratory is focused on developing therapies that will use stem cells and T cells to deliver factors for treating disease and tissue injury. Nolta's group focuses on “bench to the bedside” research, and she has been involved in numerous clinical trials of Cell and Gene Therapy (CGT). Nolta has more than 30 years' experience with human CGT and has published over 200 manuscripts in the field. Nolta has served on over 250 review panels for the NIH and other grant-funding agencies, have been Editor for the Journal “Stem Cells” for the past 15 years, and was editor of the Book “Genetic Engineering of Mesenchymal Stem Cells”.

Nolta received a prestigious Transformative Grant Award from the NIH office of the Director, based on our novel work on cell-to-cell communication. In 2023 she received the International Society for Cell and Gene Therapy Career Achievement Award. Nolta's passion is team training and helping our teams bring exciting advances in CGT from the bench to the bedside. Nolta works to help translate cutting-edge CGT, CAR-T, gene editing and gene modification studies through IND-enabling studies toward the clinic. Nolta's program is committed to fostering teamwork and training the science and healthcare work force of the future, and to continuing to improve and deliver novel cutting-edge therapies for patients who currently have limited options.

Publications

Amin Cressman, Bryan Le, David Morales, Won-Shin Yen, Fang-Ju Wu, Nicholas H Perotti, Brian Fury, **Jan A Nolta**, Fernando A Fierro. “[Investigational New Drug-enabling studies to use genetically modified mesenchymal stromal cells in patients with critical limb ischemia](#)”. PubMed. 2025 Feb.

Susanna S Park, Gerhard Bauer, Brian Fury, Mehrdad Abedi, Nicholas Perotti, Dane Colead-Bergum, **Jan A Nolta**. “[Phase I Study of Intravitreal Injection of Autologous CD34+ Stem Cells from Bone Marrow in Eyes with Vision Loss from Retinitis Pigmentosa](#)”. PubMed. 2024 July.

Jan.
9



Jan A. Nolta, Ph.D.
Director, Cell and Gene Therapy Center
Scientific Director, UC Davis GMP
Facility
Institute for Regenerative Cures
Endowed Chair in Stem Cell Biology
University of California, Davis

**Jan. 9, 2026
12:10 – 1 p.m.
Gourley Hall # 1102
In-person presentation**

Medical Microbiology
and Immunology
School of Medicine

Seminar Contact:
Autumn Vega
advega@health.ucdavis.edu

We hope to see you there!