



Alan J. Russell, PhD

Vice President of Research, Biologic Therapeutic Discovery
Amgen Inc.

Dr. Alan Russell (Ph.D., Imperial College) is the Vice President of Research (Biologic Therapeutic Discovery) at Amgen Inc. Alan leads a global team of over 400 scientists in the discovery and development of large molecule therapeutics. Alan was the architect of Amgen's Biologics NExT strategy and is the leader of Amgen's Accelerated Digital Innovation focus on research. Alan is responsible for sustaining a robust, diverse talent pipeline and a culture of safety, teamwork, career development, inclusion and belonging. Rolling Stone Magazine has ranked Alan as #32 on the "Top 100 People Who Will Change America" list!

Previously, Alan was the Highmark Distinguished Career Professor in the Department of Chemical Engineering & the Director of the Disruptive Health Technology Institute at Carnegie Mellon University. From 2012-2016, in addition to his full-time role on the faculty of CMU, Alan served as the Executive Vice President and the Chief Innovation Officer of the Allegheny Health Network. Alan was also founder of Agentase LLC (acquired by FLIR/Teledyne), the CEO of BioHybrid Solutions, LLC, and Chairman of the Board of Directors of YouScript, Inc (acquired by Invitae) and Rheogene Inc (acquired by Invitrogen). He was the Founding Director of the McGowan Institute for Regenerative Medicine at the University of Pittsburgh, serving in that capacity from 2001-2011. Alan was the Founding President of the Tissue Engineering and Regenerative Medicine International Society and the Founding Co-Director of the Armed Forces Institute for Regenerative Medicine.

Alan served on Science Board to the Food and Drug Administration for a decade and chaired the 10-year scientific review of the Center for Devices and Radiologic Health, publishing the key "Protecting the core of CDRH regulatory science in the face of financial and strategic threats" report. Alan has served many scientific roles for the Department of Defense, including being a member of the Defense Health Board.

For the last 25 years, the Russell laboratory has been discovering what can be achieved by exploiting the rich interface of chemistry, biology and materials. Alan's work has impacted fields as diverse as chemical and polymer synthesis to tissue engineering and homeland defense. In a series of discoveries, Alan's laboratory has

found how to meld the synthetic and biological worlds. Alan's work also led to a US Army "Greatest Invention" award and four technology company spin-outs.

Within the scientific community, Alan has participated on over 25 advisory boards. Since the outset of his career, he has received numerous prestigious awards for his contributions to research, teaching and public service. These awards include an R&D 100 Award – (R&D Magazine), the American Chemical Society's prestigious Pittsburgh Award, and the TERMIS Lifetime Achievement Award. Alan has given more than 500 National and International invited lectures, published over 250 peer-reviewed articles and holds dozens of US and International patents.