

Juan Manuel Garcia Ruiz

“Biomaterial and Biomimetic Crystallization”



Juanma García-Ruiz

Born in Sevilla (Spain) in 1953. Since 1990 he is Research Professor of the National Research Council (CSIC) at the University of Granada. He is founder and director of the Laboratory for Crystallographic Studies and Principal Investigator of the Spanish Crystallization Factory, a Governmental research Project coordinating more than 100 scientists from 8 different Spanish institutions and funded with 7 millions Euros.

He has been Chairman of the Department of Earth Sciences at National Evaluation Agency (1992-1995) and Chairman of the Scientific Committee of the (Department of Earth Sciences) from 1996 to 1998. He is currently Chairman of the Program EXPLORA in the Ministry of Science and Innovation, a Program that promotes intellectually risked research projects at the frontiers of knowledge.

Prof. García-Ruiz has authored over 235 scientific publications in journals, including Science, Nature, PNAS, JACS, Angewandte Chemie or Geology.

His main fields of study are the phenomena of self-organization in biological and geological structures, with implications from the origin of life to the synthesis of new materials. Is an internationally recognized expert in mineral genesis, highlighting their studies on the formation of giant crystals of gypsum and on crystallization of drugs and proteins. He has been chairman of several space crystallization projects coordinating more than 30 European and Japanese laboratories. He has several licensed patents. He is the founder of Triana Science & Technology, a company that offers technology and services in crystallization.