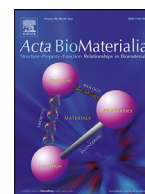




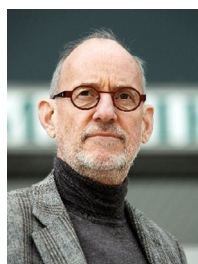
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Awards

Patrick Couvreur, 2024 Acta Biomaterialia Gold Medal Recipient



The recipient of the 2024 Acta Biomaterialia Gold Medal is Dr. Patrick Couvreur, Professor Emeritus of Pharmacy at the Paris-Saclay University, member of the French Académie des Sciences and holder of the chair of "Innovations Technologiques" (2009-2010) at the prestigious Collège de France.

Prof. Couvreur was appointed as a Senior Member of the "Institut Universitaire de France" in 2009. He has held many important national and international academic positions as Director of the UMR CNRS 8612, Founder and Director of the Doctoral School "Therapeutic Innovation" at Paris-Sud University and founding member of the pole of competitiveness MEDICEN. For 30 years (1985-2015), Dr. Couvreur was also an Extraordinary Professor at the University of Louvain (Belgium) and an invited professor in many other universities. He served as a member of the board of governors of many international scientific organizations including the International Pharmaceutical Federation, the Controlled Release Society, and the European Federation of Pharmaceutical Scientists (EUFEPS). Since 2014, he has been a member of the LS-7 panel of the European Research Council (ERC consolidator grant) and has been named the Chair of the panel in 2016, 2018 and 2020. He has served on many scientific committees in France including Institut Pasteur, ENS Cachan, Academic Council of Paris-Saclay University, Scientific Committee of the Région Centre, Comité National of the CNRS, Conseil National des Universités CNU, Board of Governors of Ecole Pratique des Hautes Etudes, President 2020 of the Académie Nationale de Pharmacie, and Comité Restreint of the Académie des Sciences.

Prof. Couvreur's major contributions in the field of drug delivery and nanomedicine are highly recognized around the world. His research is interdisciplinary, aiming at developing new nanomedicines for the treatment of severe diseases, including cancer, neurological disorders, and intracellular infectious diseases. This research stands at the interface between physico-chemistry of

colloids, polymer chemistry, material science, pharmaceutical formulation, cellular and molecular biology and experimental pharmacology. His research has led to the funding of three start-up companies (Bioalliance, Medsqual and Squal Pharma). Bioalliance (now ONXEO) entered the stock market in 2005 and a nanomedicine invented in Prof. Couvreur's lab has reached a complete phase III clinical trial for the treatment of resistant hepatocarcinoma.

These major scientific contributions to the pharmaceutical sciences are also recognized by numerous international awards: the 2004 Pharmaceutical Sciences World Congress Award, the prestigious Host Madsen Medal, the European Pharmaceutical Scientist Award of the European Federation of Pharmaceutical Sciences, the European Inventor Award 2013 given by the European Patent Office, the Speiser's award from ETH, the Higuchi Award 2015, Japan, and the 2022 Presidential Award of EUFEPS. Prof. Couvreur's national awards include: the Grand Prix de l'Innovation of L'Usine Nouvelle 2008, the Prix Galien 2009, the Médaille de l'Innovation 2012 of the CNRS and the Grand Prix Achille le Bel 2020. He is also a Doctor Honoris Causa of the Universities of Ghent (Belgium) and Montréal (Canada). Another recognition of major scientific and scholarly contributions of Patrick Couvreur is his appointment as a member of multiple academies: Académie des Sciences, Académie des Technologies, Académie Nationale de Médecine and Académie Nationale de Pharmacie in France, as well as, the European Academy of Sciences, the Académie Royale de Médecine in Belgium, the Royal Academy of Pharmacy in Spain, the National Academy of Medicine and the National Academy of Engineering, two of the three National Academies in USA. He is also an International Fellow of the Academy of Pharmaceutical Sciences and Technology in Japan.

By a decree of the President of the French Republic, Dr. Patrick Couvreur has been appointed as Chevalier de la Légion d'Honneur (Knight of the Legion of Honour).

Professor Couvreur will receive the Acta Biomaterialia Gold Medal at the 2024 World Biomaterials Congress to be held in Daegu, South Korea, in May 2024.