



Juliane Schuphan, Ph.D

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Bio: Dr. Schuphan is a biotechnologist with more than 10 years of experience in synthetic virology, with a particular interest in the development of plant virus nanoparticles as scaffolds for various applications. She succeeded in establishing the first protein-based plug-and-display system for plant viruses to covalently attach various target proteins. Her recent work has focused on combining three-dimensional hydrogel-based bioprinting with plant virus nanoparticles to fabricate three-dimensional cell-loaded matrices for enhanced bone mineralization and vascularization (in collaboration with the Department of Dental Materials and Biomaterials at RWTH Aachen University Hospital). Dr. Schuphan's research has been funded by the Diversity Fund of RWTH Aachen University (as part of the Excellence Initiative of the German Federal and State Governments for the Promotion of Science and Research at German Universities) and by the German Research Foundation.

She has many years of experience in supervising students and young scientists in internships and theses and lectures at RWTH Aachen University in the field of molecular biotechnology and plant biotechnology. She received her Ph.D from RWTH Aachen University in 2018.

Education and Carrer

Since 2019	Postdoctoral researcher, Institute for Molecular Biotechnology, RWTH Aachen University
2018	Doctorate, Dr. rer. nat., RWTH Aachen University, Aachen, Germany
2013	M. Sc. Biotechnologie/Molecular and Applied Biotechnology, RWTH Aachen University, Aachen, Germany
2010	B. Sc. Biology, RWTH Aachen University, Aachen, Germany

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