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Engineering & Scientific Consulting

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Professional Profile

Kanik Chelani, Ph.D., is a Senior Scientist at Exponent with experience in supporting clients in registering existing and novel substances under REACH and other REACH-like regulatory frameworks. He has diverse professional experience and an academic background as a chemist, holding a Ph.D. in Chemistry.

In his previous role as a consultant chemist, Dr. Chelani successfully delivered hundreds of projects involving substance characterization, analytical strategy development, IUCLID dossier preparation, data-gap assessment and read-across approaches for a range of substances, including nanoforms and UVCBs. He has provided expert analysis and consulting to numerous chemical companies. Industries served include specialty chemicals, adhesives, petrochemicals, lubricants, surfactants, fertilizers, personal care, consumer goods, pigments and electronics.

Dr. Chelani earned his MChem in Pharmaceutical Chemistry with a Year in Industry from the University of Leicester (2016 – 2020) and his Ph.D. in Chemistry from King's College London (2020 – 2024). His academic and professional background spans several areas of chemistry, including organic, inorganic, nanomaterial and polymer chemistry. During his doctoral research he specialized in imaging chemistry, focusing on the development of a targeted nanomaterial-based probe for cancer imaging applications. He has previously published in peer-reviewed academic journals and collaborated on projects with ECHA and the European Union Observatory for Nanomaterials.

Academic Credentials & Professional Honors

Ph.D., Chemistry, King's College, University of London, UK, 2025

Prior Experience

Consultant Chemist, Yordas Group, 2025 – 2026

Graduate Teaching Assistant, King's College London, 2022 – 2023

Research and Development Chemist, AGFA-Gevaert, 2018 – 2019

Publications

Chelani K, Price TW, Gonçalves V, Çaha I, Deepak FL, de Rosales RTM, Gallo J, Stasiuk GJ. [Alloying Ag2S quantum dots with gold: controlling NIR-I emission with material modification](#). Small 2025; 21(41):e05308.

Gil HM, Price TW, Chelani K, Bouillard J-SG, Calaminus SDJ, Stasiuk GJ. [NIR-quantum dots in](#)

[biomedical imaging and their future](#). iScience 2021; 24(3):102189.

Presentations

Chelani K. Ag-Au alloyed quantum dots for multimodal MRI/NIR fluorescence imaging. Oral Presentation, ICFE-11, Strasbourg, France, 2023.

Chelani K. Synthesis and characterisation of InP/ZnS quantum dots for targeted multimodal MRI/Fluorescence imaging. Oral Presentation, RSC Dalton, Warwick, UK, 2023.

Chelani K. Ag-Au alloyed quantum dots for targeted multimodal MRI/NIR fluorescence imaging. Poster Presentation, EMIM, Salzburg, Austria, 2023.

Chelani K. Synthesis and characterisation of InP/ZnS quantum dots for targeted multimodal MRI/Fluorescence imaging. Poster Presentation, Future of Molecular MR, Los Angeles, USA, 2022.

Chelani K. Synthesis and characterisation of InP/ZnS quantum dots for targeted multimodal MRI/Fluorescence imaging. Poster Presentation, RSC Dalton, Warwick, UK, 2022.

Research Grants

Doctoral Training Program (DTP), EPSRC, 2020 – 2024

Trainee Travel Grant, NIH, 2022

Research Development Grant (RSC), 2021