The Chemistry of Molecular Imaging
Nicholas Long, Wing-Tak Wong

DESCRIPTION

Molecular imaging is primarily about the chemistry of novel biological probes, yet the vast majority of practitioners are not chemists or biochemists. This is the first book, written from a chemist's point of view, to address the nature of the chemical interaction between probe and environment to help elucidate biochemical detail instead of bulk anatomy.

- Covers all of the fundamentals of modern imaging methodologies, including their techniques and application within medicine and industry
- Focuses primarily on the chemistry of probes and imaging agents, and chemical methodology for labelling and bioconjugation
- First book to investigate the chemistry of molecular imaging
- Aimed at students as well as researchers involved in the area of molecular imaging

ABOUT THE AUTHOR

Nicholas Long, PhD, is the Sir Edward Frankland BP Professor of Inorganic Chemistry and Head of the Catalysis, Sustainability and Applied Inorganics section in the Department of Chemistry, Imperial College London. He has published more than 150 scientific papers, including several high impact review articles and a critically-acclaimed textbook titled ‘Metallocenes’. He is Co-Director of the Centre for Doctoral Training in Medical Imaging at Imperial College and King’s College London.
Wing-Tak Wong, PhD, ScD, is Chair Professor of Chemical Technology and Head of the Department of Applied Biology and Chemical Technology at the Hong Kong Polytechnic University. He has received three International and US patents for his recent research on lanthanide luminescent materials, and is an author of more than 450 research papers.

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