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Sommario/riassunto	This is the first comprehensive book about the advanced technologies used in the radiopharmaceutical field. It covers each major area of radiopharmaceutical preparation, including radioisotope production and separation, multi-step radiosynthesis, analysis and quality control of the products as well as technologies for novel radiopharmaceutical development. Chapters are written by leaders in the field and comprehensively describe the evolution of relevant technologies, the current state-of-the-art, and future directions. The book will be an invaluable tool for researchers in radiochemistry or

radiopharmaceutical development, disease researchers, and pharmaceutical researchers developing new drugs using in vivo imaging techniques in the drug development process. Presents a comprehensive description of automated technologies in the radiochemistry field; Updates on the latest advances in the field from the experts developing the technologies; Extensive illustrations and tables are used to supplement the text.