

CONTENTS

libreria Universo®

PREFACE	vii
ACKNOWLEDGMENTS	xiii
CONTRIBUTORS	xv
1 PET: PHYSICS, INSTRUMENTATION, AND SCANNERS	1
Simon R. Cherry and Magnus Dahlbom	
2 QUANTITATIVE ASSAY DEVELOPMENT FOR PET	125
Sanjiv Sam Gambhir	
3 ELECTRONIC GENERATORS	217
Nagichettiar Satyamurthy	
4 THE MOLECULAR BASIS OF DISEASE	270
Jorge R. Barrio	
5 ONCOLOGICAL APPLICATIONS OF FDG-PET	321
Johannes Czernin	
6 POSITRON EMISSION TOMOGRAPHY OF THE HEART: METHODOLOGY, FINDINGS IN THE NORMAL AND THE DISEASED HEART, AND CLINICAL APPLICATIONS . . .	389
Heinrich R. Schelbert	

7 MOLECULAR IMAGING OF BIOLOGICAL PROCESSES WITH PET: EVALUATING BIOLOGIC BASES OF CEREBRAL FUNCTION	509
Daniel H.S. Silverman and William P. Melega	
GLOSSARY	585
INDEX	597

libreria Univerip®



<http://www.springer.com/978-0-387-40359-5>

PET

Molecular Imaging and Its Biological Applications

Phelps, M.E.

2004, XVI, 622 p. 243 illus., 46 in color., Hardcover

ISBN: 978-0-387-40359-5

libreria universita®