

# Handbook of Philosophy of Science

## Volume 16

### Philosophy of Medicine

*Edited by*

Fred Gifford



AMSTERDAM • BOSTON • HEIDELBERG • LONDON • NEW YORK • OXFORD  
PARIS • SAN DIEGO • SAN FRANCISCO • SINGAPORE • SYDNEY • TOKYO

North Holland is an imprint of Elsevier



# CONTENTS

General Preface	v
<b>Dov Gabbay, Paul Thagard, and John Woods</b>	
List of Contributors	vii
Introduction	1
<b>Fred Gifford</b>	
Concepts of Health and Disease	13
<b>Christopher Boorse</b>	
Medical Ontology	65
<b>Jeremy R. Simon</b>	
Theories and Models in Medicine	115
<b>R. Paul Thompson</b>	
Reduction in Biology and Medicine	137
<b>Kenneth F. Schaffner</b>	
Causal Inference and Medical Experiments	159
<b>Daniel Steel</b>	
Patterns of Medical Discovery	187
<b>Paul Thagard</b>	
Evidence-Based Medicine	203
<b>Robyn Bluhm and Kirstin Borgerson</b>	
Group Judgment and the Medical Consensus Conference	239
<b>Miriam Solomon</b>	
Frequentist versus Bayesian Clinical Trials	255
<b>David Teira</b>	

Uncertainty in Clinical Medicine <b>Benjamin Djulbegovic, Iztok Hozo and Sander Greenland</b>	299
The Logic of Diagnosis <b>Kazem Sadegh-Zadeh</b>	357
Conceptual Foundations of Biological Psychiatry <b>Dominic Murphy</b>	425
Brain Death <b>John Lizza</b>	453
Nursing Science <b>Mark Risjord</b>	489
Public Health <b>Dean Rickles</b>	523
Index	573