The laboratory revolution in medicine

Edited by
ANDREW CUNNINGHAM
and
PERRY WILLIAMS

Wellcome Unit for the History of Medicine,
University of Cambridge
Contents

List of illustrations  ix
List of contributors  xii
Acknowledgements  xiii

Introduction  
ANDREW CUNNINGHAM AND PERRY WILLIAMS  

1 Laboratories, medicine and public life in Germany, 1830–1849: ideological roots of the institutional revolution  
TIMOTHY LENOIR  

2 Building institutes for physiology in Prussia, 1836–1846: contexts, interests and rhetoric  
RICHARD L. KREMER  

3 The fall and rise of professional mystery: epistemology, authority and the emergence of laboratory medicine in nineteenth-century America  
JOHN HARLEY WARNER  

4 Anaesthetics, ethics and aesthetics: vivisection in the late nineteenth-century British laboratory  
STEWART RICHARDS  

5 Scientific elites and laboratory organisation in fin de siècle Paris and Berlin: the Pasteur Institute and Robert Koch’s Institute for Infectious Diseases compared  
PAUL WEINDLING  

6 French military epidemiology and the limits of the laboratory: the case of Louis-Félix-Achille Kelsch  
MICHAEL A. OSBORNE  

v
7 Transforming plague: the laboratory and the identity of infectious disease
ANDREW CUNNINGHAM

8 The laboratory as business: Sir Almroth Wright's vaccine programme and the construction of penicillin
WAI CHEN

REFLEXIONS

9 The costly ghastly kitchen
BRUNO LATOUR

10 The laboratory revolution in medicine as rhetorical and aesthetic accomplishment
NICHOLAS JARDINE

11 Gendered reflexions on the laboratory in medicine
HILARY ROSE

Index