

# Contents

List of contributors *xiii*

Introduction *xv*

---

## Part I **Nature of psychiatric illness**

---

### Section 1 **Clinical significance and disability in psychiatric illness**

---

- 1** Introduction to “Clinical significance, disability, and biomarkers: Shifts in thinking between DSM-IV and DSM-5” 5  
*Kenneth S. Kendler*
- 2** Clinical significance, disability, and biomarkers: Shifts in thinking between DSM-IV and DSM-5 8  
*Derek Bolton*
- 3** Distinguishing but not dissociating psychiatric disorder and impairment in functioning: Bolton, Hume, and sentiment 17  
*Peter Zachar*

### Section 2 **Psychometric models in psychiatric nosology**

---

- 4** Introduction to “The hard question in psychiatric nosology” 25  
*Josef Parnas and Kenneth S. Kendler*
- 5** The hard question in psychiatric nosology 27  
*Eric Turkheimer*
- 6** Representation and explanation in psychometric modeling 45  
*Denny Borsboom*

### Section 3 **Obsessive-compulsive disorders in DSM-5**

---

- 7** Introduction to “Obsessive-compulsive and related disorders in DSM-5, ICD-11, and RDoC: Conceptual questions and practical solutions” 53  
*Kenneth S. Kendler*

- 8** Obsessive-compulsive and related disorders in DSM-5, ICD-11, and RDoC: Conceptual questions and practical solutions 55  
*Dan J. Stein*
- 9** “A messy business”: Balancing considerations in revising the psychiatric nosology 70  
*Miriam Solomon*

---

Section 4 **Network models of psychiatric disorders**

---

- 10** Introduction to “Mental disorders, network models, and dynamical systems” 77  
*Kenneth S. Kendler*
- 11** Mental disorders, network models, and dynamical systems 80  
*Denny Borsboom*
- 12** I bet on Borsboom 98  
*Eric Turkheimer*

---

Part II **Reification, epidemics, and individual symptoms**

---

Section 5 **Reification of mental illness**

---

- 13** Introduction to “On reification of mental illness: Historical and conceptual issues from Emil Kraepelin and Eugen Bleuler to DSM-5” 105  
*Josef Parnas*
- 14** On Reification of mental illness: Historical and conceptual issues from Emil Kraepelin and Eugen Bleuler to DSM-5 107  
*Paul Hoff*
- 15** Reification of mental illness: Some considerations 121  
*Dan J. Stein*

---

Section 6 **Psychiatric epidemics**

---

- 16** Introduction to “Factors in the development of psychiatric epidemics” 127  
*Kenneth S. Kendler*
- 17** Factors in the development of psychiatric epidemics 130  
*Michael B. First*

- 18** Diagnostic epidemics and diagnostic disarray: The issue of differential diagnosis 143  
*Josef Parnas*

## Section 7 **Culture-bound psychiatric syndromes**

---

- 19** Introduction to “Description and explanation of the culture-bound syndromes” 149  
*Kenneth S. Kendler*
- 20** Description and explanation of the culture-bound syndromes 152  
*Dominic Murphy*
- 21** Reflections on culture-bound syndromes 166  
*Paul S. Appelbaum*

## Section 8 **The coming and going of Asperger’s syndrome**

---

- 22** Introduction to “On the appearance and disappearance of Asperger’s syndrome” 173  
*Kenneth S. Kendler*
- 23** On the appearance and disappearance of Asperger’s syndrome 176  
*Miriam Solomon*
- 24** Impact of “severity decategorization” in DSM-5 187  
*Michael B. First*

## Section 9 **Auditory verbal hallucinations**

---

- 25** Introduction to “The ontology and epistemology of symptoms: The case of auditory verbal hallucinations in schizophrenia” 197  
*Kenneth S. Kendler*
- 26** The ontology and epistemology of symptoms: The case of auditory verbal hallucinations in schizophrenia 201  
*Josef Parnas and Annick Urfer-Parnas*
- 27** Comment on “The ontology and epistemology of symptoms: The case of auditory verbal hallucinations in schizophrenia” 217  
*Paul Hoff*

---

Part III **Epistemic iteration**

---

Section 10 **Epistemic iteration in scientific taxonomies**

---

- 28** Introduction to “Epistemic iteration and natural kinds: Realism and pluralism in taxonomy” 227  
*Josef Parnas*
- 29** Epistemic iteration and natural kinds: Realism and pluralism in taxonomy 229  
*Hasok Chang*
- 30** Psychiatric nosology, epistemic iteration, and pluralism 246  
*Kenneth S. Kendler*

Section 11 **Problems in the validation of psychiatric diagnoses**

---

- 31** Introduction to “Validity and the causal structure of a disorder” 253  
*Kenneth S. Kendler*
- 32** Validity and the causal structure of a disorder 257  
*John Campbell*
- 33** Saving the explananda 274  
*Georg Replikov and Dominic Murphy*

Section 12 **Personality disorders in DSM-5**

---

- 34** Introduction to “Epistemic iteration or paradigm shift: The case of personality disorder” 285  
*Kenneth S. Kendler*
- 35** Epistemic iteration or paradigm shift: The case of personality disorder 287  
*Peter Zachar*
- 36** Why we should be realists about psychiatric disorders—reply to Peter Zachar 303  
*John Campbell*

Section 13 **The progressive validation of medical and psychiatric disorders**

---

- 37** Introduction to “Progressive validation of psychiatric syndromes: The example of panic disorder” 313  
*Josef Parnas*

- 38** Progressive validation of psychiatric syndromes:  
The example of panic disorder 314  
*Kenneth S. Kendler*
- 39** Comments on “Progressive validation of psychiatric  
syndromes: The example of panic disorder” 332  
*Kenneth F. Schaffner and Kathryn Tabb*

---

## Part IV **Descriptive to etiologic and living document**

---

### Section 14 **Descriptive to etiologic in psychiatric nosology**

---

- 40** Introduction to “Causal pathways, random walks, and  
tortuous paths: Moving from the descriptive to the etiological  
in psychiatry” 341  
*Josef Parnas*
- 41** Causal pathways, random walks, and tortuous paths:  
Moving from the descriptive to the etiological  
in psychiatry 342  
*Kathryn Tabb and Kenneth F. Schaffner*
- 42** Comments on “Causal pathways, random walks,  
and tortuous paths: Moving from the descriptive to  
the etiological in psychiatry” 361  
*Hasok Chang*

### Section 15 **Progress in psychiatric research**

---

- 43** Introduction to “What is progress in psychiatric  
research?” 369  
*Kenneth S. Kendler*
- 44** What is progress in psychiatric research? 371  
*Stephan Heckers*
- 45** Comments on “What is progress in psychiatric research?” 383  
*Derek Bolton*

### Section 16 **After DSM-5**

---

- 46** Introduction to “DSM-5.1: Perspectives on continuous  
improvement in diagnostic frameworks” 389  
*Kenneth S. Kendler*

- 47** DSM-5.1: Perspectives on continuous improvement in diagnostic frameworks 392  
*Paul S. Appelbaum*
- 48** How do we improve the DSM? 403  
*Stephan Heckers*
- Index 407