

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)

The Self in Neuroscience and Psychiatry

In recent years the clinical and cognitive sciences and neuroscience have contributed important insights to understanding the self. The neuroscientific study of the self and self-consciousness is in its infancy in terms of established models, available data and even vocabulary. However, there are neuropsychiatric conditions, such as schizophrenia, in which the self becomes disordered and this aspect can be studied against healthy controls through experiments, building cognitive models of how the mind works, and imaging brain states. In this, the first book to address the scientific contribution to an understanding of the self, an eminent, international team focuses on current models of self-consciousness from the neurosciences and psychiatry. These are set against introductory essays describing the philosophical, historical and psychological approaches, making this a uniquely inclusive overview. It will appeal to a wide audience of scientists, clinicians and scholars concerned with the phenomenology and psychopathology of the self.

Tilo Kircher is Senior Lecturer and Consultant Psychiatrist at the Department of Psychiatry at the University of Tübingen.

Anthony David is Professor of Cognitive Neuropsychiatry at the Institute of Psychiatry and Consultant Psychiatrist at the Maudsley Hospital, London.

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)

The Self in Neuroscience and Psychiatry

Edited by

Tilo Kircher

Department of Psychiatry, University of Tübingen, Germany

and

Anthony David

Institute of Psychiatry and Maudsley Hospital, London, UK



CAMBRIDGE
UNIVERSITY PRESS

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)

CAMBRIDGE UNIVERSITY PRESS
Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore,
São Paulo, Delhi, Dubai, Tokyo, Mexico City

Cambridge University Press
The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org
Information on this title: www.cambridge.org/9780521533508

© Cambridge University Press 2003

This publication is in copyright. Subject to statutory exception
and to the provisions of relevant collective licensing agreements,
no reproduction of any part may take place without the written
permission of Cambridge University Press.

First published 2003
Reprinted 2007

A catalogue record for this publication is available from the British Library

Library of Congress Cataloguing in Publication Data

The self in neuroscience and psychiatry / edited by Tilo Kircher and Anthony David.
p. cm.

Includes bibliographical references and index.

ISBN 0 521 80387 X – ISBN 0 521 53350 3 (paperback)

1. Self. 2. Psychiatry. 3. Neurosciences. I. Kircher, Tilo, 1965– II. David, Anthony S.
RC489.S43 S445 2003
616.89–dc21 2002031550

ISBN 978-0-521-80387-8 Hardback
ISBN 978-0-521-53350-8 Paperback

Cambridge University Press has no responsibility for the persistence or
accuracy of URLs for external or third-party internet websites referred to in
this publication, and does not guarantee that any content on such websites is,
or will remain, accurate or appropriate. Information regarding prices, travel
timetables, and other factual information given in this work are correct at
the time of first printing but Cambridge University Press does not guarantee
the accuracy of such information thereafter.

Contents

<i>List of contributors</i>	<i>page viii</i>
Introduction: the self and neuroscience Tilo Kircher and Anthony S. David	1

Part I Conceptual background

1	The self and psychiatry: a conceptual history German E. Berrios and Ivana S. Marková	9
2	The self in philosophy, neuroscience and psychiatry: an epistemic approach Georg Northoff and Alexander Heinzl	40
3	Phenomenology of self Dan Zahavi	56
4	Language and self-consciousness: modes of self-presentation in language structure Maxim I. Stamenov	76

Part II Cognitive and neurosciences

5	The multiplicity of consciousness and the emergence of the self Gerard O'Brien and Jonathan Opie	107
6	Asynchrony, implicational meaning and the experience of self in schizophrenia Philip J. Barnard	121
7	Self-awareness, social intelligence and schizophrenia Gordon G. Gallup, Jr, James R. Anderson and Steven M. Platek	147

vi	Contents	
8	The neural correlates of self-awareness and self-recognition Julian Paul Keenan, Mark A. Wheeler and Michael Ewers	166
9	Autonoetic consciousness Hans J. Markowitsch	180
10	The neural nature of the core SELF: implications for understanding schizophrenia Jaak Panksepp	197
Part III Disturbances of the self: the case of schizophrenia		
(i) Phenomenology		
11	Self and schizophrenia: a phenomenological perspective Josef Parnas	217
12	Self-disturbance in schizophrenia: hyperreflexivity and diminished self-affection Louis A. Sass	242
13	The self-experience of schizophrenics Christian Scharfetter	272
(ii) Social psychology		
14	The paranoid self Richard Bentall	293
15	Schizophrenia and the narrative self James Phillips	319
16	Self-narrative in schizophrenia Shaun Gallagher	336
(iii) Clinical neuroscience		
17	Schizophrenia as disturbance of the self-construct Kai Vogeley	361
18	Action recognition in normal and schizophrenic subjects Marc Jeannerod, Chloe Farrer, Nicolas Franck, Pierre Fourneret, Andres Posada, Elena Daprati and Nicolas Georgieff	380
19	Disorders of self-monitoring and the symptoms of schizophrenia Sarah-Jayne Blakemore and Chris Frith	407

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)

vii	Contents	
20	Hearing voices or hearing the self in disguise? Revealing the neural correlates of auditory hallucinations in schizophrenia Cynthia H.Y. Fu and Philip K. McGuire	425
21	The cognitive neuroscience of agency in schizophrenia Henrik Walter and Manfred Spitzer	436
22	Self-consciousness: an integrative approach from philosophy, psychopathology and the neurosciences Tilo Kircher and Anthony S. David	445
	<i>Index</i>	475

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)

Contributors

James R Anderson, PhD
University of Stirling
Stirling FK9 4LA
Scotland
UK

Philip J Barnard, BSc, PhD
MRC Cognition and Brain Sciences Unit
15 Chaucer Road
Cambridge CB2 2EF
UK

Richard Bentall, MD
Department of Psychology
University of Manchester
Coupland-1 Building
Oxford Road
Manchester M13 9PL
UK

**German E Berrios, BA (Oxford), MD,
Dr. Med. honoris causa (Heidelberg; San
Marcos), FRCPsych, FBPsS,
FMedSci**
Department of Psychiatry
University of Cambridge
Addenbrooke's Hospital
Box 189
Hills Road
Cambridge BC2 2QQ
UK

Sarah Blakemore, BA Hons (Oxon), PhD
Wellcome Department of Cognitive
Neurology
Institute of Neurology
12 Queen Square
London WC1N 3BG
UK

Elena Daprati, PhD
Institut des Sciences Cognitives – UMR
5015
67 Boulevard Pinel
69675 Bron Cedex
France

**Anthony S David, FRCP, FRCPsych, MD,
MSc, FMedSci**
Neuropsychiatry and Psychological
Medicine
Institute of Psychiatry and GKT School of
Medicine
Denmark Hill
London SE5 8AF
UK

Michael Ewers, BA
Department of Psychology
Temple University
Weiss Hall
Philadelphia PA 19122
USA

ix **Contributors**

Chloe Farrer, PhD
Institut des Sciences Cognitives – UMR
5015
67 Boulevard Pinel
69675 Bron Cedex
France

Pierre Fourneret, MD, PhD
Institut des Sciences Cognitives – UMR
5015
67 Boulevard Pinel
69675 Bron Cedex
France

Nicolas Franck, MD, PhD
Institut des Sciences Cognitives – UMR
5015
67 Boulevard Pinel
69675 Bron Cedex
France

Chris Frith, MA, DipPsych, PhD
Wellcome Department of Cognitive
Neurology
Institute of Neurology
12 Queen Square
London WC1N 3BG
UK

Cynthia HY Fu, MD, MSc, FRCPC
Division of Psychological Medicine
Institute of Psychiatry
Denmark Hill
London SE5 8AF
UK

Shaun Gallagher, PhD
Department of Philosophy and Cognitive
Science
Canisius College
Buffalo NY 14208
USA

Gordon G Gallup, Jr, PhD
Department of Psychology
State University of New York at Albany
1400 Washington Avenue
Albany NY 12222
USA

Nicolas Georgieff, MD, PhD
Institut des Sciences Cognitives – UMR
5015
67 Boulevard Pinel
69675 Bron Cedex
France

Alexander Heinzl, MD, PhD
Harvard University
Beth Israel Hospital
Kirstein Building, KS 454
330 Brookline Avenue
Boston MA 00215
USA

Marc Jeannerod, MD
Institut des Sciences Cognitives – UMR
5015
67 Boulevard Pinel
69675 Bron Cedex
France

Julian Paul Keenan, PhD
Department of Psychology
Montclair State University
219 Dickson Hall
Upper Montclair NJ 07304
USA

Tilo Kircher, MD, PhD
Department of Psychiatry
University of Tübingen
Osiander Str. 24
D-72076 Tübingen
Germany

**Ivana S Marková, MPhil (Cantab), MD,
MRCPsych**
Department of Psychiatry
Coniston House
East Riding Campus
University of Hull
Willerby HU10 6N
UK

Hans J Markowitsch, PhD
Physiological Psychology
Universität Bielefeld
Postfach 10 01 31
Universitätsstr. 25
33501 Bielefeld
Germany

**Philip K McGuire, BSc, MB, ChB, PhD,
MD, MRCPsych**
Division of Psychological Medicine
Institute of Psychiatry
De Crespigny Park
Denmark Hill
London SE5 8AF
UK

Georg Northoff, MD, PhD, PhD
Harvard University
Beth Israel Hospital
Kirstein Building, KS 454
330 Brookline Avenue
Boston MA 00215
USA

Gerard O’Brien, DPhil
Department of Philosophy
University of Adelaide
South Australia 5005
Australia

Jonathan Opie, PhD
Department of Philosophy
University of Adelaide

South Australia 5005
Australia

Jaak Panksepp, PhD
JP Scott Center for Neuroscience, Mind
and Behavior
Department of Psychology
Bowling Green State University
Bowling Green OH 43403
USA

Josef Parnas, MD, DrMedSci
Department of Psychiatry
Copenhagen University
Hvidovre Hospital
2650 Hvidovre
Denmark

James Phillips, MD
88 Noble Avenue
Milford CT 06460
USA

Steven M Platek, PhD
Department of Psychology
Drexel University
Philadelphia PA 19102
USA

Andres Posada, PhD
Institut des Sciences Cognitives –
UMR 5015
67 Boulevard Pinel
69675 Bron Cedex
France

Louis A Sass, PhD
Rutgers University
GSAPP
152 Frelinghuysen Road
Piscataway NJ 08854-8085
USA

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)

xi **Contributors**

Christian Scharfetter, MD, PhD, Prof. em. Psychiatric University Hospital Research Department Lenggstrasse 31 PB 68 CH-8029 Zurich Switzerland	Sigmund Freud Str. 25 53105 Bonn Germany
Manfred Spitzer, MD Universitätsklinik für Psychiatrie Leimgrubenweg 12–14 89075 Ulm Germany	Henrik Walter, MD Universitätsklinik für Psychiatrie Leimgrubenweg 12–14 89075 Ulm Germany
Maxim I Stamenov, PhD Seminar für Slavische Philologie Der Georg-August-Universität Göttingen Humboldtallee 19 37073 Göttingen Germany	Mark A Wheeler, PhD Department of Psychology Temple University Weiss Hall Philadelphia PA 19122 USA
Kai Vogeley, MD Department of Psychiatry Friedrich-Wilhelms-University Bonn	Dan Zahavi, DrPhil, PhD Danish National Research Foundation: Center for Subjectivity Research University of Copenhagen Købmagergade 46 DK-1150 Copenhagen K Denmark

Cambridge University Press
978-0-521-53350-8 - The Self in Neuroscience and Psychiatry
Edited by Tilo Kircher and Anthony David
Frontmatter
[More information](#)
