Department of Psychiatry

Instruction in psychiatry is given throughout the medical curriculum. Emphasis is on the teaching of psychiatry as a medical discipline, including the biological, social and psychological mechanisms and manifestations of psychiatric illness as well as psychological reactions to other illnesses. Psychiatric disorders are common and disabling illnesses. An explosion of knowledge resulting from research in neuroscience, genetics and epidemiology is leading to exciting advances in understanding and treating these disorders. Our department is heavily involved in this research, and our didactic curriculum integrates current clinical information with research advances to help students develop the knowledge, skills and attitudes needed to recognize these illnesses and to understand the basic principles of treatment.

William Greenleaf Eliot Division of Child & Adolescent Psychiatry

The Division of Child & Adolescent Psychiatry (http://wuchild.wustl.edu/) offers a varied teaching program for medical students, residents in psychiatry, and fellows at St. Louis Children’s Hospital and the 4444 Forest Park Child Psychiatry Clinic, which provides outpatient services to children with an array of psychiatric concerns. Trainees are assigned to various services, including the Child and Adolescent Psychiatry (CAP) Clinic, the Pediatric Behavioral Health Unit at St. Louis Children’s Hospital, and the CAP Consult services, where they participate in diagnostic evaluations and see patients in treatment, under the supervision of a fellow and the attending physician.

Website: http://www.psychiatry.wustl.edu

Faculty

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Visit our website for more information about our faculty (http://www.psychiatry.wustl.edu/Faculty/) and their appointments.

A

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Doctor of Medicine, Duke University, 1990

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Doctor of Medicine, University of Nebraska Medical Center, 2007

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Doctor of Medicine, University of Missouri Columbia, 2017

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Bachelor of Science, Saint Louis University, 2018
Doctor of Medicine, Creighton University, 2018

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Doctor of Medicine, Chulalongkorn University, 2008

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Doctor of Medicine, Drexel University, 2002

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Doctor of Medicine, Washington University in St Louis, 1983

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Doctor of Philosophy, Washington University in St Louis, 2017
Doctor of Medicine, Washington University in St Louis, 2017

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Doctor of Philosophy, Saint Louis University, 2022

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Doctor of Science, Indiana State University, 2019

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Doctor of Philosophy, University of Barcelona, 2015

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Doctor of Medicine, Indiana University Bloomington, 1978

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Master of Science, University of Mumbai, 2009
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Doctor of Medicine, Yamagata University, 1985
Doctor of Philosophy, Yamagata University, 1989

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Doctor of Medicine, School Not Found, 1900

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Doctor of Philosophy, Rosalind Franklin University of Medicine and Science (Formerly Finch University of Health Sciences), 2001

Michael T Perino, Ph.D.
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Doctor of Science, Duke University, 2019

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Doctor of Medicine, University of Rome, 2008

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Doctor of Philosophy, University of Alabama in Tuscaloosa, 2018

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Professor of Psychiatry (primary appointment)
Division Director of Child and Adolescent Psychiatry
Blanche F Ittleson Professor of Psychiatry (Child Psychiatry)
Bachelor of Arts, Harvard University, 1998
Doctor of Medicine, Washington University in St Louis, 2005

John W Rohrbaugh, Ph.D.
Professor Emeritus of Psychiatry
Bachelor of Science, Heidelberg College (Duplicate of Heidelberg University), 1968
Champaign, 1973

Alexander Bernard Rose
Instructor in Clinical Psychiatry

Max S. Rosen, M.D.
Assistant Professor of Psychiatry (primary appointment)
Bachelor of Science, Washington University in St Louis, 2010
Doctor of Medicine, Washington University in St Louis, 2015

Eugene Harold Rubin, Ph.D., M.D.
Professor Emeritus of Psychiatry
Bachelor of Arts, University of Rochester, 1971
Doctor of Philosophy, Washington University in St Louis, 1977
Doctor of Medicine, Washington University in St Louis, 1978

John Conrad Rudersdorf
Instructor in Clinical Psychiatry (Child)

James Rutherford, M.D.
Assistant Professor Emeritus of Clinical Psychiatry
Bachelor of Arts, Drake University, 1975
Doctor of Medicine, University of Iowa, 1980

Jo-Ellyn M Ryall, M.D.
Associate Professor of Clinical Psychiatry
New Brunswick, 1971
Doctor of Medicine, Washington University in St Louis, 1975

Frank Scott Saccone, Ph.D.
Professor of Psychiatry (primary appointment)
Bachelor of Arts, Rensselaer Polytechnic Institute, 1990
Doctor of Philosophy, Brown University, 1995

Berette A Salazar, M.D.
Assistant Professor of Clinical Psychiatry
Bachelor of Arts, Middlebury College, 1973
Main Campus), 1982

Carolyn E. Sartor, M.S., Ph.D.
Adjunct Associate Professor of Psychiatry
Bachelor of Science, Oberlin College, 1994
Master of Science, Catholic University America (Duplicate of Catholic University of America), 1999
Doctor of Philosophy, Palo Alto College, 2005

Norman Sartorius
Adjunct Professor of Psychiatry

Jeffrey Frank Scherrer, Ph.D.
Adjunct Associate Professor of Psychiatry
Doctor of Philosophy, Saint Louis University, 2004

Jeffrey I Schulman, M.B.A., M.D.
Instructor in Clinical Psychiatry (Child Psychiatry)
Bachelor of Arts, Yale University, 1970
Doctor of Medicine, University of Kentucky, 1974
Master of Business Administration, Washington University in St Louis, 1988

Rebecca Frye Schwarzlose, Ph.D.
Instructor in Psychiatry (Pending Dean Approval) (primary appointment)
Bachelor of Arts, Northwestern University, 2002
Doctor of Philosophy, Massachusetts Institute of Technology, 2008

Adelita Segovia Langley
Associate Professor of Clinical Psychiatry (Child Psychiatry)

Bryan Norbert Sewing, D.O.
Instructor in Psychiatry
Bachelor of Science, Texas Christian University, 1991
Doctor of Osteopathic Medicine, A T Still University of Health Sciences, 1998

Lawrence Evan Shapiro, Psy.D.
Instructor in Clinical Psychiatry
Doctor of Psychology, University of California, 1990

Paul W Sheffner, M.D.
Assistant Professor of Clinical Psychiatry
Doctor of Medicine, Washington University in St Louis, 1974

Nathan M Simon, M.S., M.D.
Professor Emeritus of Clinical Psychiatry
Bachelor of Science, Yale University, 1949
Master of Science, Yale University, 1950
Doctor of Medicine, Washington University in St Louis, 1955

Reed Earl Simpson, M.D.
Assistant Professor of Clinical Psychiatry
Bachelor of Arts, Wabash College, 1972
Doctor of Medicine, Washington University in St Louis, 1976

Judith Ann Skala, M.A., Ph.D.
Assistant Professor of Psychiatry (primary appointment)
Bachelor of Science, Washington University in St Louis, 1989
Master of Arts, Washington University in St Louis, 1992
Doctor of Philosophy, Washington University in St Louis, 2001

James B Smith, M.D.
Associate Professor Emeritus of Clinical Psychiatry
Bachelor of Arts, University of Missouri Columbia, 1963
Doctor of Medicine, University of Missouri Columbia, 1967

Stacey L Smith, M.D.
Assistant Professor of Clinical Psychiatry
Bachelor of Arts, Northwestern University, 1986
Doctor of Medicine, Northwestern University, 1991

Carolina Soriano Tarraga, M.S., Ph.D.
Instructor in Psychiatry (Pending Dean’s Approval) (primary appointment)
Master of Science, University of Barcelona, 2006
Doctor of Philosophy, University of Barcelona, 2009

Timothy Eric Spiegel, M.D.
Associate Professor of Psychiatry (Child) (primary appointment)
Bachelor of Science, University of Missouri Columbia, 2001
Doctor of Medicine, Saint Louis University, 2006

Afshan Sultana, M.D.
Instructor in Psychiatry (Child) (primary appointment)
Doctor of Medicine, University of Karachi, 1996

Yun Ju Sung, Ph.D.
Associate Professor of Psychiatry (primary appointment)
Associate Professor of Biostatistics
Doctor of Philosophy, University of Minnesota, 2003

Dragan M Svrakic, Ph.D., M.D.
Professor of Psychiatry (primary appointment)
Doctor of Medicine, University of Belgrade, 1978
Doctor of Philosophy, University of Belgrade, 1989

Chad M Sylvester, Ph.D., M.D.
Associate Professor of Psychiatry (Child) (primary appointment)
Bachelor of Science, University of Notre Dame, 2001
Doctor of Philosophy, Washington University in St Louis, 2009
Doctor of Medicine, Washington University in St Louis, 2009

Hannah Selene Szlyk, M.S.S.W., Ph.D.
Instructor in Psychiatry (primary appointment)
Bachelor of Arts, Kenyon College, 2009
Master of Science in Social Work, Columbia University, 2011
Doctor of Philosophy, University of Texas Austin, 2018

Mini Tandon, D.O.
Associate Professor of Psychiatry (Child) (primary appointment)
Bachelor of Science, Truman State University (Formerly Northeast Missouri State University), 1997
Doctor of Osteopathic Medicine, Kansas City University of Medicine and Biosciences, 2002

Alexandre Todorov, M.Ed., Ph.D.
Professor of Psychiatry (primary appointment)
Bachelor of Science, Vanderbilt University, 1985
Master of Education, Vanderbilt University, 1988
Doctor of Philosophy, Louisiana State University, 1992

Ludwig Trillo Alvarez, M.D.
Assistant Professor of Psychiatry (primary appointment)
Doctor of Medicine, Universidad de San Agustin, 2005

Jeffrey A. Vander Kooi, M.D.
Instructor in Clinical Psychiatry
Bachelor of Science, University of Iowa, 1997
Doctor of Medicine, University of Iowa, 2002

Jessica Vanderlan, M.A., Ph.D.
Instructor in Clinical Psychiatry

Bachelor of Arts, University of Michigan (Duplicate of University of Michigan Ann Arbor), 2004
Master of Arts, Alliant University (Duplicate of Alliant International University (AIU)), 2013
Doctor of Philosophy, Alliant University (Duplicate of Alliant International University (AIU)), 2015

Theresa Nieva Villaflores, M.D.
Instructor in Psychiatry (Child) (primary appointment)
Doctor of Medicine, University of Missouri Kansas City, 1999

Alecia C. Vogel-Hammen, Ph.D., M.D.
Assistant Professor of Psychiatry (primary appointment)
Doctor of Philosophy, Washington University in St Louis, 2010
Doctor of Medicine, Washington University in St Louis, 2013

Mary C. Waldron, Ph.D.
Adjunct Assistant Professor of Psychiatry
Doctor of Philosophy, University of Virginia, 2004

Marysia Weber
Instructor in Clinical Psychiatry

Reuben R Welch, M.Ed., Ph.D.
Professor of Psychiatry (primary appointment)
Lecturer in Psychological and Brain Sciences
Bachelor of Arts, Point Loma Nazarene University, 1980
Master of Education, University of Missouri Columbia, 1982
Doctor of Philosophy, University of Missouri Columbia, 1988

Michael L Wenzinger, M.D.
Assistant Professor of Psychiatry (Child) (primary appointment)
Doctor of Medicine, Eastern Virginia Medical School, 2014

Diana J Whalen, Ph.D.
Assistant Professor of Psychiatry (primary appointment)
Lecturer in Psychological & Brain Sciences
Bachelor of Science, University of Pittsburgh, 2005
Doctor of Philosophy, University of Pittsburgh, 2014

Denise Wilfley, Ph.D.
Professor of Psychiatry (primary appointment)
Professor of Psychological & Brain Sciences
Professor of Medicine
Professor of Pediatrics
Scott Rudolph University Professor
Doctor of Philosophy, University of Missouri Columbia, 1989

Joshua L Wilson, M.D.
Instructor in Psychiatry (primary appointment)
Bachelor of Science, University of North Texas, 2001
Doctor of Medicine, University of Texas Health Science Center, 2012

Matthew Stewart Wilson
Instructor in Clinical Psychiatry

Eric Nicholas Wittrock, D.O.
instructor in Psychiatry (primary appointment)
Doctor of Osteopathic Medicine, Kansas State University, 2011

Edwin D Wolfgram, M.D.
Assistant Professor of Clinical Psychiatry
Bachelor of Science, Iowa State University, 1954
Doctor of Medicine, University of Iowa, 1959

**David F Wozniak, M.A., Ph.D.**
Professor Emeritus of Psychiatry
Bachelor of Arts, Hobart College (Duplicate of Hobart William Smith Colleges), 1973
Master of Arts, Connecticut College, 1977
Doctor of Philosophy, Washington University in St Louis, 1984

**Y**

**Carla Marie Yuede, Ph.D.**
Associate Professor of Psychiatry (primary appointment)
Associate Professor of Neurology
Associate Professor of Neuroscience
Doctor of Philosophy, University of Missouri in St Louis, 2006

**Sean H Yutzy**
Adjunct Professor of Psychiatry

**Z**

**Charles F Zorumski, M.D.**
Professor of Psychiatry (primary appointment)
Samuel B. Guze Professor of Psychiatry
Professor of Neuroscience
Director of the Taylor Family Institute for Innovative Psychiatric Research
Bachelor of Arts, Saint Louis University, 1974
Doctor of Medicine, Saint Louis University, 1978

## Research Electives

### Psychiatry Research Electives

During the fourth year, opportunities exist for many varieties of advanced clinical or research experiences.

**Note to Students:** There are always a number of research projects in the Department of Psychiatry. For additional information, contact Dr. Rubin at 314-362-2462.

**Andrey Anokhin, PhD**
Genetics of the Brain, Behavior and Psychopathology
Central Institute for the Deaf (CID) Building
660 S. Euclid Ave., Suite 1
Phone: 314-286-2201
andrey@wustl.edu

This research elective is intended for students interested in cognitive neuroscience, biological psychiatry, and behavior genetics. Dr. Anokhin’s laboratory investigates the links between genes, brain and behavior in order to better understand the complex etiology of mental disorders. Our major focus is on the externalizing spectrum of psychopathology characterized by deficits in inhibitory self-regulation and related psychopathologies, including ADHD, conduct disorder and addictive behaviors. We are particularly interested in the intermediate phenotypes (endophenotypes) mediating genetic risk for addiction, such as impulsivity, risk taking, and abnormal reward processing.

In our laboratory-based studies with human volunteers, including twins, we investigate individual differences in brain activity using the recording of brain oscillations (event-related brain potentials) and functional magnetic resonance imaging (fMRI). For example, an ongoing longitudinal study of adolescent twins explores the developmental and genetic determinants of brain activity related to reward and punishment processing, inhibitory control of behavior, and risk taking to identify prospective predictors of substance abuse and associated behavioral problems. In another ongoing study, we examine twins who are discordant for adolescent marijuana use in order to identify the consequences of substance abuse for the brain, cognition and emotion and to distinguish them from preexisting risk factors. Interested students will be able to learn a variety of methods used in these studies, such as the recording and analysis of neural activity, including electroencephalogram (EEG) and event-related brain potentials (ERPs), MRI scanning, startle response, autonomic measures, the administration of neuropsychological and behavioral tests, and the statistical analysis of data. The format of this research elective may include the following: (1) directed reading; (2) participation in laboratory experiments involving human subjects; (3) analysis of existing data from various research projects; and (4) designing and piloting new behavioral experiments. Qualifications include reliability and responsibility, the ability to commit a specified amount of time per week and to work a schedule that can be negotiated on an individual basis, and good computer skills.

**Deanna M. Barch, PhD**
Cognitive and Affective Neuroscience of Schizophrenia and Depression
4525 Scott Avenue, Suite 1153K
Phone: 314-747-2160

Students may participate in the conduct of clinical studies of schizophrenia and depression. Involvement in clinical studies can include training and experience in interviewing psychiatric patients, or it may involve gaining experience in the techniques of assessing cognitive and emotional function using behavioral and brain imaging methods.

**Laura Jean Bierut, MD**
Renard Building
Phone: 314-362-2544

This research elective will focus on analyzing data from high-risk studies of smoking and other addictions. Students will have the opportunity to examine genetic and environmental factors that place some individuals at risk for developing nicotine, alcohol and other substance dependence and that protect others from the development of these disorders.

**Kevin J. Black, MD**
4525 Scott Ave., Room 2205
Phone: 314-362-5041
kevin@wustl.edu
Students will participate in ongoing studies of brain imaging, movement disorders or neuropsychiatric illnesses. Degree of participation will relate to the student’s available research time, skills and interest. Visit the laboratory’s webpage (https://sites.wustl.edu/blacklab/) for examples of past research.

Ginger E. Nicol, MD
Taylor Avenue Building, Suite 121
Phone: 314-362-5154

We are part of the Healthy Mind Lab in the department of psychiatry, and our clinical research broadly focuses on increasing longevity and quality of life in children, adolescents, adults and older adults. Our specific projects focus primarily on obesity treatment and prevention, and they include clinical and genetic studies of psychotropic medications known to cause weight gain, like antipsychotic agents. We are interested in developing and testing medication-assisted psychotherapies with agents like ketamine and psilocybin for weight management and disordered eating. We also employ mobile health (mHealth) tools for collecting data and for delivering healthy lifestyle management and disordered eating. We also employ mobile health (mHealth) tools for collecting data and for delivering healthy lifestyle and behavioral weight loss treatments, and we use precision functional and molecular brain imaging techniques to study individual, brain-based mechanisms of illness and treatment response. This elective offers the student a broad exposure to clinical research protocols, including protocols in adults and children. Students will have an opportunity to focus on a particular project of interest.

Courses

M81 Gateway 630 Psychiatry Clerkship
Credit 308 units.

M85 Psych 805 Psychiatry Consult (Clinical Elective)
Students spend four weeks on the psychiatry consult service at Barnes-Jewish Hospital. Under the supervision of house staff and attending physicians, students participate in the evaluation and collaborative management of inpatients on medical and surgical units for a broad range of psychiatric and behavioral concerns. They learn about the intersection between psychiatry and other medical specialties and important skills for collaborative patient care. Students attend departmental conferences and other educational sessions, and they also prepare and present a clinical topical review of their choice.

M85 Psych 810 Outpatient Community Psychiatry (Clinical Elective)
This elective will provide the student with a significant outpatient experience in Psychiatry. Students will be paired with a Resident physician and have exposure to two adult clinics and one child clinic over the course of the rotation. Students will observe and assist in the diagnosis and treatment of patients in the clinic setting. Students will also attend scheduled lectures and conferences over the course of the rotation relevant to outpatient Psychiatry. During the elective, the student will learn about the outpatient presentations of psychiatric disorders, a variety of treatment techniques (psychotherapy and psychopharmacology), and general principles of outpatient clinical management.

M85 Psych 836 Inpatient Psychiatry (Clinical Elective)
This is a senior rotation that provides the students with an opportunity to expand their knowledge of inpatient clinical psychiatry by functioning as interns. Students attend all staffing and teaching conferences given to first-year psychiatry residents and are responsible for the assessment and management of acute psychiatric patients. Immediate supervision is provided by the inpatient attending, and additional supervision can be arranged as desired. Teaching emphasis is directed toward psychiatric diagnosis, appropriate use of psychopharmacologic agents, psychotherapeutic intervention, use of community resources and pursuit of the psychiatric scientific literature. The student will write a self-selected clinical topic relevant to treatment and management of psychiatric inpatients.

M85 Psych 840 Child Psychiatry (Clinical Elective)
This elective in child psychiatry utilizes the St. Louis Children’s Hospital St. Louis Children’s Hospital Pediatric Behavioral Health Unit and the Consult-Liaison service. It provides experience in age-appropriate diagnostic and treatment methods in children and adolescents. A portion of your time may be spent in the outpatient clinics if interested and if circumstances permit. A paper on a topic of the student’s choosing is required.

M85 Psych 844 Forensic Psychiatry (Non-Clinical Elective)
The medical student will be actively involved in many aspects of forensic psychiatry including civil litigation, workman’s compensation, malpractice, civil commitment, and guardianship. There may be opportunities to be involved in criminal forensic issues. The rotation is primarily self-directed but the student will work with several faculty within the Department of Psychiatry and will meet with the Course Director a minimum of two hours per week. They will also work with The City of St. Louis Probate Court and shadow at the St. Louis Psychiatric Rehabilitation Center, a nearby forensic hospital. The student will also be assigned readings of landmark cases, textbooks, psychiatric expert opinions, legal filing with the probate court and attend civil hearings. The student will learn relevant criminal statutes regarding competency and civil commitment, causation in civil litigation, the concept of medical malpractice and risk assessment of violence and suicide. There may be the opportunity to witness sexually violent predator evaluations and/or treatment. The student will be required to research and write an opinion on a specific approved topic in forensic psychiatry. The objectives will be measured by attendance and by formal evaluation of the student’s participation and knowledge during the supervision discussion. It will also be determined by the originality, thoroughness, and quality of the research paper.

M85 Psych 880 Schizophrenia Precursors & Prodomal States (Clinical Elective)
This is an opportunity for trainees to gain experience in the evaluation of children and adolescents who may be at high risk for schizophrenia. The rotation would center around the “First Contact Assessment Service”, which evaluates patients who show characteristics suggestive of prodromal schizophrenia (such as new-onset attenuated psychotic symptoms along with recent deterioration in functioning) and/or early life characteristics that may indicate risk for developing schizophrenia later in life (for example, nonspecific social/emotional/behavioral symptoms in a child/adolescent with a strong family history of schizophrenia). Since the full symptoms of schizophrenia are often preceded by a wide range of childhood behavioral and developmental abnormalities, this rotation would also help trainees integrate information regarding the continuity between childhood development and adult psychopathology. Trainee would observe
all aspects of First Contact evaluations (including semi-structured diagnostic interviews and examination of subtle neurological signs), participate in case discussions, and observe follow-up consultations involving patients with psychotic and/or complex neurodevelopmental disorders. Trainee would also be required to write a literature review on a topic relevant to the rotation.

**M85 Psych 910 Psychiatry Advanced Clinical Rotation (ACR)**

This is an advanced rotation that provides the students with an opportunity to expand their knowledge of inpatient clinical psychiatry by functioning as interns. While rotating through the inpatient psychiatry units on the main campus, students will encounter patients with a variety of severe psychiatric illnesses that are oftentimes complicated by various medical comorbidities requiring consultation services. Students will work on patient care teams with a PGY-1, and an attending psychiatrist. Students attend all staffing and teaching conferences given to first-year psychiatry residents and are responsible for the assessment and management of acute psychiatric patients. This includes writing notes, entering orders, and updating the handoff list. The students will also complete one week of night-float with a PGY-1, and shadow a PGY-2 in the Emergency Department’s behavioral health unit. Immediate supervision is provided by the inpatient attending, senior resident, and intern on the service. Teaching emphasis is directed toward psychiatric diagnosis, appropriate use of psychopharmacologic agents, psychotherapeutic intervention, the use of community resources and pursuit of the psychiatric scientific literature.

Credit 140 units.