

**University of Pittsburgh
School of Medicine**

BIOGRAPHICAL

Name: Raymond Pan, MD
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EDUCATION and TRAINING

UNDERGRADUATE

9/85-6/89	Stanford University, Stanford CA	B.S. 1989	Electrical Engineering
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GRADUATE

9/90-6/93	Stanford University, Stanford CA	M.S. 1993	Electrical Engineering
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9/93-6/98	University of Connecticut, Farmington, CT	M.D. 1998	Medicine
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POSTGRADUATE

7/98-6/99	University Health Center, Pittsburgh, PA Director: Ravinder Reddy MD	Internship	Medicine & Psychiatry
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7/99-6/02	University Health Center, Pittsburgh, PA Director: Ken Nash MD	Residency	Psychiatry
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7/02-6/04	University Health Center, Pittsburgh, PA Director: Erin Malley MD	Fellowship	Child & Adolescent Psychiatry
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7/03-6/06	University of Pittsburgh, Pittsburgh, PA Director: David Brent MD	Fellowship	Clinical Research in Psychiatry (NIMH T32)
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1/18-12/19	University of Pittsburgh, Pittsburgh PA Directors: James Tew MD and Alexis Fertig MD		Clinical Educator Faculty Development Program
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APPOINTMENTS and POSITIONS

ACADEMIC

6/12-6/15	University of Pittsburgh School of Medicine Department of Psychiatry Pittsburgh, PA	Clinical Assistant Professor
7/15-12/23	University of Pittsburgh School of Medicine Department of Psychiatry Pittsburgh, PA	Assistant Professor
11/20-12/13	University of Pittsburgh School of Medicine Department of Orthopaedic Surgery Pittsburgh, PA	Assistant Professor
1/24-present	University of Pittsburgh School of Medicine Department of Psychiatry Pittsburgh, PA	Associate Professor
1/24-present	University of Pittsburgh School of Medicine Department of Orthopaedic Surgery Pittsburgh, PA	Associate Professor

NON-ACADEMIC

7/89-8/93	Hewlett-Packard Company Palo Alto, CA	Development Engineer
6/03-6/04	UPMC Beaver Country Mental Health Rochester, PA	Attending Physician
6/04-6/06	UPMC Presbyterian-Shadyside Child Inpatient Unit Pittsburgh, PA	Attending Physician
6/05-6/06	UPMC Services for Teens at Risk Pittsburgh, PA	Attending Physician
7/06-8/07	Pittsburgh Mercy Adult Acute Partial Program Pittsburgh, PA	Attending Physician
9/08-6/09	Craig Academy Pittsburgh, PA	Medical Director
7/09-6/11	Excelsa Health Greensburg, PA	Chair of Psychiatry and Medical Director

7/11-1/20	Beacon Health Options Cranberry Township, PA	Peer Advisor
7/12-1/17	UPMC Presbyterian-Shadyside Child Inpatient Unit, Consultation and Liaison Program, Psycho-oncology Clinic Pittsburgh, PA	Attending Physician
7/12-present	Pittsburgh Mercy Child and Adolescent Acute Partial Program and Diversion and Stabilization Pittsburgh, PA	Medical Director Attending Physician
2/17-present	UPMC Sports Medicine Concussion Program Pittsburgh, PA	Attending Physician
2/20-present	UPMC Presbyterian-Shadyside Psychiatric Evaluation Service Pittsburgh, PA	Attending Physician
2/20-6/21	UPMC Community Medicine Inc. (CMI) Integrated Care Clinic Pittsburgh, PA	Attending Physician
1/21-present	UPMC Sports Medicine Student Athlete Clinic Pittsburgh, PA	Attending Physician

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION

- 2006-present Diplomat in Psychiatry, American Board of Psychiatry and Neurology, 5/14/06, recertification 8/2/16
- 2007-present Diplomat in Child and Adolescent Psychiatry, American Board of Psychiatry and Neurology, 11/16/07, recertification 8/2/16

MEDICAL LICENSURE

- 2002-present Pennsylvania Medical Physician and Surgeon, 6/6/02
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MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

1997-present American Psychiatric Association (Distinguished Fellow 2022)
2002-present American Academy of Child and Adolescent Psychiatry (Distinguished Fellow 2021)
2002-present ADHD Molecular Genetics Network
2020-present International Society of Sports Psychiatry
2020-present Allegheny County Medical Society
2020-present Pennsylvania Medical Society

HONORS

1986 Lowy Memorial Chemistry Award, Stanford University
1987 President's Award for Academic Excellence, Stanford University
1988 Phi Beta Kappa
1988 Tau Beta Pi
1988 Research Fellowship Grant, Stanford University School of Engineering
1989 Frederick E. Terman Award for Academic Achievement in Engineering
1990 Hewlett-Packard Company Graduate Fellowship
2002 AACAP Outstanding Resident in Child and Adolescent Psychiatry Award
2003 Janssen Resident Award of Excellence
2003 NIH/NIMH Clinical Trials in Psychopharmacology Travel Award
2005 Mt. Lebanon High School Great Alumni Award
2006 ADHD Molecular Genetics Network Travel Award
2015 Fellow of the American Psychiatric Association
2021 Distinguished Fellow of the American Academy of Child and Adolescent Psychiatry
2022 Distinguished Fellow of the American Psychiatric Association

PUBLICATIONS

1. ORIGINAL PEER REVIEWED ARTICLES

1. Eagle SR, Womble MN, Elbin RJ, **Pan R**, Collins MW, Kontos AP. Concussion symptom cut-offs for identification and prognosis of sport-related concussion: the role of time since injury. *American Journal of Sports Medicine*, 2020, 48(10): 2544-2551.
2. Eagle SR, Brent D, Covassin T, Elbin RJ, Wallace J, Ortega J, **Pan R**, Anto-Ocrah M, Okonkwo DO, Collins MW, Kontos AP. Exploration of Race and Ethnicity, Sex, Sport-Related Concussion, Depression History, and Suicide Attempts in US Youth. *JAMA Network Open*, 2022, 5(7): e2219934.

2. OTHER PEER REVIEWED PUBLICATIONS

Review Articles

1. Davis WR, **Pan R**, Perel JM. Bupropion for Attention Deficit Hyperactivity and Comorbid Disorders. *Expert Review of Neurotherapeutics*, 3(1), Jan 2003.

Case Reports

1. **Pan R**, John V, Haag S, Clozapine and Pulmonary Embolism. *Acta Psychiatrica Scandinavica*, 2003, 108(1): 76-77.
2. Sherry NS, Feder A, **Pan R**, Eagle S, Kontos AP. Transitioning Concussion Care to Mental Health Care: A Case Study of an Elite Athlete. *Case Studies in Sport and Exercise Psychology*, 2021, 5(1):135-144.

3. BOOK CHAPTERS

1. Brent D, **Pan R**. Pediatric Bipolar Disorder. In *Current Diagnosis and Treatment: Psychiatry 2nd Edition* Ed. Ebert MH, Loosen PT, Nurcombe B, Leckman JF. 2008.
2. Kontos A, **Pan R**, Kouros E. Mental Health Manifestations of Concussion. In *Mental Health in the Athlete: Modern Perspectives and Novel Challenges for the Sports Medicine Provider*. Ed. Hong E and Rao A. 2020.
3. **Pan R**, Jeckell A, Baron D. Sports Related Head Injuries. In *Oxford Textbook of Traumatic Brain Injury*. 2023 (In press).

4. PUBLISHED ABSTRACTS IN SCIENTIFIC JOURNALS

1. Gomes D, Manderino LM, Preszler J, Collins MW, **Pan R**, Santos J, Versace A, Kontos AP. Effects of Parental Mental Health on Patient and Parent-Reported Anxiety Symptoms Following Concussion in Adolescents. *Archives of Clinical Neuropsychology*, 37(5), Aug 2022: 1058.

5. ABSTRACTS

Poster Presentations

1. **Pan R**, Daviss WB, Birmaher B. Stimulant Treatment in ADHD Youth with Parental Bipolar Disorder, 53rd Annual Meeting American Academy of Child and Adolescent Psychiatry, San Diego, October 24-29, 2006.
2. **Pan R**, Birmaher B, Ehmann MA, Kolko D. Scale for Children's Affective Reactivity: Psychometrics, Replication, and Extension, 53rd Annual Meeting American Academy of Child and Adolescent Psychiatry, San Diego, October 24-29, 2006.
3. **Pan R**, Sherry N, Holland C, Bitzer H, Kontos A. Psychiatric Medication Management with a SSRI in Patients Seen at a Specialty Concussion Clinic, American Psychiatric Association 2020 Annual Meeting, April 25, 2020 (accepted, conference cancelled COVID-19).
4. Eagle SR, Gillie BL, **Pan R**, Collins MW, Kontos AP. Predictors of Post-injury Anxiety and Depression in Adolescents following Concussion. American Psychology Association Annual Meeting, Washington DC, August 2020.
5. Eagle SR, **Pan R**, Holland CL, Collins MW, Kontos AP. Predicting persistent post-concussion symptoms in adolescents with psychological symptoms and clinical risk factors. American Psychological Association Annual Meeting, San Diego, August 2021.

Oral/Podium Presentations

1. **Pan R**, Sherry N. Mental Health in Child and Adolescent Athletes Following Concussion, 66th Annual Meeting American Academy of Child and Adolescent Psychiatry, Chicago, October 19, 2019.
 2. **Pan R**, Strauss A. Sports Psychiatry in Youth: Experiences and Challenges. 67th Annual Meeting American Academy of Child and Adolescent Psychiatry, virtual meeting, October 2020.
 3. **Pan R**, Gansner M, Newsome B, Shapiro DN. Opening Pandemic's Box: Supporting Developing Adolescents, 68th Annual Meeting American Academy of Child and Adolescent Psychiatry, virtual meeting, October 2021.
 4. **Pan R**, Hua LL, Tsappis MW, Shapiro DN. Adolescent Psychiatry: Innovations for Outreach, Engagement, and Quality Care, 69th Annual Meeting American Academy of Child and Adolescent Psychiatry, Toronto, October 22, 2022.
 5. Max JE, Strauss AS, **Pan R**. Traumatic Brain Injury: Psychiatric and Educational Diagnosis and Management, 69th Annual Meeting American Academy of Child and Adolescent Psychiatry, Toronto, October 22, 2022.
 6. Weigle, P, **Pan R**. Debate: Should Psychiatrists Advocate Banning All Screens From Bedrooms? 70th Annual Meeting American Academy of Child and Adolescent Psychiatry, New York, October 25, 2023.
 7. Max JE, Strauss AS, **Pan R**. Traumatic Brain Injury: Psychiatric and Educational Diagnosis and Management, 70th Annual Meeting American Academy of Child and Adolescent Psychiatry, Toronto, October 25, 2023.
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PROFESSIONAL ACTIVITES

TEACHING

Medical Student Teaching

- 7/03-6/05 Introduction to Child Psychiatry, University of Pittsburgh Third Year Medical Students, Course Director and Lecturer, Psychiatry Clerkship Didactics, 30 students, 1 hour, 6 lectures/year.
- 7/12-6/13 Psychiatry Clerkship Didactics and Supervision, 8 Third Year Medical Students/year.
- 5/21-present Introduction to Psychiatry Small Groups: 8 First Year Medical Students/year.

Resident Teaching

- 7/12-6/13 Psychiatry Clerkship Didactics and Supervision, 5 Psychiatry PGY-2 Residents/year.
- 7/13-6/19 Consultation Liaison On-Call Supervision, 3 Psychiatry Residents, 6 weekends/year.
- 7/12-present Objective Structured Clinical Examinations, 8 Residents, PGY-3 and PGY-4, 2x/year.
- 2/20-present Psychiatry Evaluation Service, 1 Psychiatry Resident, 1 evening/week.
- 2/21-present Student Athlete Clinic, 1 Psychiatry Resident, 1 evening every other week.
- 1/22-present Sports Psychiatry, PGY-3 Resident Didactics, 9 Residents, 1 hour lecture/year.

Fellow Teaching

- 7/03-6/04 Introduction to Psychopharmacology, University of Pittsburgh Psychology Internship Program, Ph.D. post-doctoral psychology interns, 6 interns, 12 sessions/year.
- 7/12-6/13 Child Inpatient Didactics and Supervision, 6 Child Psychiatry Fellows/year.
- 7/13-2/17 Consultation Liaison Didactics and Supervision, 2-3 Geriatrics Fellows/year.
- 2/17-present Behavioral Health Supervision, Sports Medicine Neuropsychology Fellows, 4-5 Fellows/year.

Curriculum Development/ Media Products

- 5/1/22 2022 ISSP Sports Psychiatry Curriculum for the ISSP Certificate of Additional Training in Sports Psychiatry, co-author.
- 3/13/18 Role of Psychiatrist in Concussion Management, UPMC Physician Resources CME Courses, discussion of psychiatric symptoms and treatment associated with concussion, 0.5 CME.
- 7/1/03 Course Director, Introduction to Child Psychiatry, University of Pittsburgh Third Year Medical Students, Psychiatry Clerkship Didactics

Mentoring

- 7/17-6/18 Barbara Bisdee DNP, Robert Morris University, Psychiatry Clinical Mentor (Primary), currently clinical staff at Pittsburgh Mercy.

 - 7/19-12/21 Shawn Eagle PhD, University of Pittsburgh, Post-Doctoral Research Fellow (Secondary), currently Research Assistant Professor, Dept. of Neurological Surgery, University of Pittsburgh SOM.

 - 8/21-present Dean Gomes PhD, University of Pittsburgh, Neuropsychology Fellow, UPMC Sports Medicine Concussion Program (Secondary).

 - 8/21-present Jessica Stephens DO, University of Pittsburgh, Psychiatry Resident, PGY-3, (Secondary).

 - 8/22-present Isaiah Crum MD, University of Pittsburgh, Psychiatry Resident, PGY-2, (Secondary).
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RESEARCH

Current Grant Support:

Internal funding	Anxiety/Avoidance Study PI: Alicia Trbovich PhD	Co-Investigator 3%	1/1/20- 12/31/23	\$9,496
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Non-funded Research (No Salary Support)

Prevalence of PTSD in Concussion Patients, 8/9/21-7/30/24, PI: Raymond Pan, MD.

Rapid Saliva Test for Diagnosis of mTBI and Prognosis of Persistent Post-concussion Symptoms (PPCS) in Children and Adults, Eunice Kennedy Shriver National Institute of Child Health and Human Development, 9/1/21-8/31/23, PI: Anthony Kontos, PhD.

Saliva Biomarkers to Predict Pediatric Concussion Subtypes, Chuck Noll Foundation for Brain Injury Research, 3/1/22-2/28/24, co-PIs: Anthony Kontos, PhD and Michael Collins, PhD.

CLINICAL AND RESEARCH INTERESTS

Mental health symptoms associated with concussion and traumatic brain injury

Sports psychiatry and mental health access in the adolescent and athletic populations

INVITED SEMINARS AND LECTURESHIPS

Local Presentations

- 6/11/04 Effectiveness of Stimulant Treatment in ADHD Youth with and without Parental Bipolar Disorder, University of Pittsburgh Dept. of Psychiatry Grand Rounds, Pittsburgh, PA.
- 3/31/08 Symptoms on Adolescent Depression: Helping, Hoping, and Coping, University of Pittsburgh School of Education, Pittsburgh, PA.
- 12/7/16 Crisis Intervention in Children and Adolescents, Allegheny County and City of Pittsburgh, Pittsburgh, PA.
- 3/26/18 Psychiatric Symptoms in Concussion Management, Pittsburgh Mercy Medical Staff Meeting
- 9/20/18 Behavioral Health and Concussions, UPMC Rooney Center for Sports Medicine Grand Rounds, 9/20/18.
- 1/21/21 Discussant for Association Between Adolescent Concussion and Risk for Suicide, Jessica Stephens DO, University of Pittsburgh Dept. of Psychiatry Grand Rounds, Pittsburgh, PA.
- 4/7/21 Stress and Change: What a Student-Athlete and Parents Should Know, Winchester Thurston High School.
- 11/17/22 Role of a Psychiatrist in Concussion Treatment, UPMC Rooney Center for Sports Medicine Grand Rounds.
- 6/9/23 Psychiatric Considerations in Concussion Rehabilitation, Physical Therapists, University of Pittsburgh Health and Rehabilitation Sciences.

Regional Presentations

- 2/8/09 ADHD, Watson Institute Focus on Children, Pittsburgh Cable News Channel (PCNC), Pittsburgh, PA.
- 11/19/10 Suicide in School Aged Children, Excelsior Latrobe Hospital, Latrobe, PA.
- 9/20/17 Psychiatric Symptoms in Athletes, UPMC Sports Medicine Athletic Trainers.
- 5/15/19 Concussion and Mental Health Roundtable, Westmoreland County Intermediate Unit BrainSTEPS, Greensburg, PA.
- 9/13/21 Education series for parents, students, athletic trainers, coaches, and counselors on Mental Health in the Student Athlete, Department of Psychiatry, Autumn 2021.

- 3/22/23 Behavioral Health in Secondary School Athletes, Pennsylvania State Athletic Directors Association Annual Meeting, Hershey, PA.
- 5/19/23 Mental Health in Children and Teens, KDKA Radio AM 1020 Pittsburgh Rick Dayton Show.

National Presentations

- 1/23/05 Stimulant Treatment in ADHD Youth with a parent with Bipolar Disorder, UCLA Dept. of Psychiatry Grand Rounds, Los Angeles, CA.
- 12/1/17 Q & A: Panic Attacks, Anxiety and Concussion, UPMC Sports Medicine Concussion Program website (rethinkconcussions.upmc.edu).

SERVICE

University and Medical School

- 7/16-7/18 Behavioral Health Workgroup, Member, Department of Psychiatry
- 8/20-present Planning Committee, Member, UPMC Sports Medicine Concussion Program Grand Rounds
- 1/22-present Training Committee, Member, UPMC Sports Medicine Concussion Program, Department of Orthopaedic Surgery

Diversity, Equity, and Inclusion Activities

- 2/23-present Belonging and Inclusivity Workgroup, Member, Department of Psychiatry

Regional Service Activities

- 1/22-present Board of Directors, Member, Allegheny County Medical Society
- 1/22-12/23 House of Delegates, Delegate, Pennsylvania Medical Society
- 11/22-present Workforce Shortage Task Force, Member, Pennsylvania Psychiatric Society
- 1/23-1/24 Finance Committee, Member, Allegheny County Medical Society
- 6/24- Nominating Committee, Member, Allegheny County Medical Society

National Service

- 10/21-present Adolescent Committee, Member, American Academy of Child and Adolescent Psychiatry

International Service

- 1/20-present Concussion Committee, Member, International Society of Sports Psychiatry.
- 1/20-present Education Committee, Member, International Society of Sports Psychiatry.
- 3/24- Board of Directors, Member, International Society of Sports Psychiatry.