



Octavio Choi, MD, PhD

Palo Alto CA 94304

ACADEMIC TRAINING

Fellowship in Forensic Psychiatry, University of Pennsylvania, Philadelphia, PA
July 2011 – July 2012

Psychiatry Internship & Residency, UCLA Neuropsychiatric Institute, Los Angeles, CA
July 2004 – July 2008

Doctor of Medicine (MD), University of California, San Diego, La Jolla, CA

Doctor of Philosophy (PhD), University of California, San Diego, La Jolla, CA
September 1994 – June 2004

- federally-funded combined MD, PhD program (Medical Scientist Training Program)
- PhD in Neurosciences (molecular neuro-development) in the laboratory of Dennis O'Leary, Salk Institute

Bachelor of Science (BS), Stanford University, Stanford, CA

September 1987 – June 1992

- Bachelor of Science in Symbolic Systems (computational neuroscience)

PROFESSIONAL BACKGROUND

Clinical Associate Professor, Stanford University

August 2019 – Present

Founding Director, Forensic Psychiatry Fellowship, Stanford University **2020 - 2022**

- Created a new forensic psychiatry fellowship which is the first neurolaw-focused forensic psychiatry fellowship in the world. Tasks included:
 - conceptualization of the vision and mission of the fellowship,
 - recruitment of faculty
 - formulating and teaching didactics
 - building relationships with other schools (e.g. Stanford Law School) and neuro disciplines at Stanford (e.g. Neuropsychiatry and Interventional psychiatry fellowship programs)
 - establishing fellowship rotations with Santa Clara Courts, CA Dept of State Hospitals, CA Dept of Corrections.
 - authoring ACGME application and obtaining ACGME accreditation
- ACGME approval received Feb 2021
- First fellows arrived July 1, 2022, and program continues to thrive.

Core faculty, Stanford Forensic Psychiatry Fellowship

2021 - present

- Provide neuropsychiatric expertise to courts in various criminal and civil cases, primarily

involving neuroimaging and brain-based legal claims.

- Provide ongoing didactics, forensic supervision, and mentorship to fellowship trainees.
- Organize and promote forensic activities amongst Stanford faculty.
- Conduct ongoing scholarly research in neurolaw, particularly: neural correlates of psychopathy/criminality, ethical issues regarding mind-reading from brain activity, suitability of advanced neuroimaging as evidence in court settings.

Core faculty, Stanford Interventional Psychiatry Program and Fellowship **2022 - present**

- Clinical work and research involving neuromodulatory approaches to psychiatric treatment, including TMS, accelerated (SAINT) TMS, ECT, and VNS.
- Provide ongoing didactics, clinical supervision and mentorship to fellowship trainees.

Core faculty, Stanford Neuropsychiatry Fellowship **2020 - present**

- Provide ongoing didactics, clinical supervision, and mentorship to fellowship trainees.

Core faculty, Stanford WellConnect program **2024 - present**

- Provide clinical support (psychotherapy, medication management, coaching) to Stanford School of Medicine faculty, fellows, and residents.

Professional Wellness Advisor, Stanford Health Care (SHC) **2020 - present**

- Primary responsibilities include:
 - evaluating medical staff referred to SHC's Committee for Professionalism
 - formulating intervention plans
 - making recommendations to the committee
 - developing treatment resources at Stanford for impaired physicians.

Co-instructor, "The Brain and the Law," (Psych 125), Stanford University **2022 - present**

- With David Eagleman, designed, developed, and teach on a yearly basis
- 3-unit undergraduate course at Stanford University, over 100 students enrolled

Director, Oregon State Forensic Evaluations, Oregon State Hospital **Mar 2016 - Jul 2019**

The Forensic Evaluation Service of the Oregon State Hospital conducts most court-ordered forensic evaluations in the state of Oregon, with over 1,400 evaluations completed in 2018 (e.g. insanity; competency to stand trial, extreme emotional disturbance).

Job responsibilities of the director include:

- Teaching and supervision of all forensic evaluators at the Oregon State Hospital, providing consultation on complex cases.
- Report writing and testimony in high profile and complex cases
- Specialized skills in evaluation of neuroscience and biological evidence as applied in legal proceedings.
- Teaching and supervision of OHSU forensic psychiatry fellows
- Teaching and supervision of OHSU medical students and psychiatry residents
- Providing consultation to district attorneys, judges, and legislators regarding forensic evaluations and assessments

Affiliate faculty, Division of Public Psychiatry, Oregon Health and Science University, June 2017 – July 2019.

Assistant Professor, Division of Public Psychiatry, Oregon Health and Science University, June 2013 – June 2017

- Academic research: delusional disorder; neurolaw; fMRI-based lie detection; criminal responsibility and brain damage; neural basis of psychopathy; biological influences on behavior
- Organized and presented a conference at OHSU on the topic of Addiction Neuroscience in partnership with the MacArthur Foundation Network on Law and Neuroscience, Oct 2016
- As chair of the Forensic Neuropsychiatry Committee (2014-2017) of the American Academy of Psychiatry and Law, organized and presented yearly workshops, panels, and courses on various topics regarding neuroscience and the law such as "Neuroscience and Criminal Responsibility" and "Pain Neuroimaging: Neuroscience and Forensic Implications." (see Presentations section, below)

Chief Academic Psychiatrist, Oregon State Hospital, July 2014- March 2016

Job responsibilities include:

- Supervised all Oregon Health and Sciences University (OHSU)-affiliated faculty at the Oregon State Hospital
- Recruited faculty to OHSU/OSH
- Arranged academic conferences at OHSU and OSH
- Conducted competency and insanity evaluations for high-profile cases
- Supervised and organized all OHSU student, resident, and fellowship trainee clerkships at Oregon State Hospital
- Course director for psychiatry resident didactics in forensic psychiatry
- **Certificate of Achievement** awarded Feb 1, 2016- for successful implementation of the hospital's involuntary medications process in the electronic medical record
 - Led a team of over 20 people in this effort, which involved mapping, streamlining and redesign of a complex, 20+ step process to maximize clinician efficiency, minimize clinician errors, and maximize legal admissibility.
 - As a result of this effort, the time required to start involuntary medications on a new patient was cut in half (12 days to 6 days)

Supervising Psychiatrist, Oregon State Hospital, July 2014- Dec 2014

- Supervised psychiatrist for the Pathways program (Guilty Except for Insanity units)
- In this capacity, provided expert assistance to unit teams in managing complex patients

Clinical Psychiatrist at Oregon State Hospital, June 2013 – July 2014

- provided clinical psychiatric care on competency restoration units, GEI (Guilty Except for Insanity) units, and civil commitment units.
- conducted forensic evaluations (competency, insanity) at Oregon State Hospital, Salem

Clinical Psychiatrist at Oregon State Hospital-Portland, Sep 2012 – March 2013

- provided clinical psychiatric care for civilly committed patients.

CERTIFICATIONS

General Psychiatry Board Certification #60500, American Board of Psychiatry and Neurology, Jan 2010

Forensic Psychiatry Board Certification #1979, American Board of Psychiatry and Neurology, Oct 2013

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS

- member, American Academy of Psychiatry and the Law (AAPL)
 - Member, Forensic Neuropsychiatry Committee, 2012- present
 - Chaired Forensic Neuropsychiatry committee from October 2014-2017.
 - Assoc. Editor, Journal of the American Academy of Psychiatry and the Law, Oct 2017-2023.
 - Member, Association of Directors of Forensic Psychiatry Fellowships committee (ADFPF), July 2021- 2023
 - Member, Special Committee on Fellowship Recruitment and Selection Process, November 2021- 2022
- Member, American Neuropsychiatry Association (ANPA)

MEDICAL LICENSURE

CA: A95041

ACADEMIC HONORS/AWARDS

- **2025 Fellow**, Stanford Medical Humanities Fellowship, Stanford University Medical Center
- Recipient of **2020 Innovator Grant**, Stanford University Dept of Psychiatry and Behavioral sciences
- Mind and Life summer research institute scholar, Mind and Life Institute, 2006
- Special recognition for USMLE step I score in 99th percentile
- Received Honors letter for Pathology, Neurology, and Laboratory medicine courses
- Received perfect score on MCAT exam, 1992
- Nominated for the Dean's Award for Academic Achievement, Stanford, 1990

TEACHING ACTIVITIES AT STANFORD

- **Stanford Undergraduates** **2022 - present**
 - **Psych 125- Brain and the Law- co-instructor**
 - With David Eagleman, designed, developed, and teach on a yearly basis (2022, 2023)
 - 3-unit undergraduate course at Stanford University, over 100 students enrolled
 - Student feedback for this course is exceptional (course median rating 5/5 in both 2022 and 2023)
- **Stanford Medical School** **2020 - present**
 - **Psych 249- Psychiatry and Behavioral Sciences Subspecialty Areas-** guest lecturer
 - Medical student course to introduce students to psychiatry subspecializations
 - Give annual guest lecture on subspecialty of forensic neuro-psychiatry
- **Stanford Psychiatry Fellows** **2019 - present**
 - Stanford **Forensic** Psychiatry Fellowship program
 - Stanford **Neuropsychiatry** Fellowship program
 - Stanford **Interventional** Fellowship program
 - Provide didactics and clinical supervision for fellows in these programs, with focus on neuropsychiatry, neurolaw and forensic psychiatry
- **Stanford Psychiatry Residents** **2020 - present**
 - Provide didactics to **PGY-3** and **PGY-4** years on various topics in forensic psychiatry, including insanity, neurolaw, and privacy implications of implanted medical devices.
- **Stanford Law School: Mental Health and the Law** **2022 - present**
 - Annually provide didactics to law students on topics of forensic psychiatry, neuropsychiatry and neurolaw.
- **Stanford CNI-X** (Clinical Neuroscience Emerging Experience Program) **2019 - present**
 - Annually provide didactics to high school students engaged in a summer neuroscience “boot camp” experience at Stanford.
 - Spotlight faculty presenter for 2025 (based on exceptionally positive student feedback in previous years).
- **Stanford MIDI initiative** (Mentorship Initiative for Diversity and Inclusion) **2023 - present**
 - Mentor PGY-2 and PGY-3 psychiatry residents from minority backgrounds
- **Stanford SIMS program** (Stanford Immersion in Medicine Series) **2022- present**
 - Mentor Stanford undergraduates interested in entering medicine
 - Undergraduates spend a quarter shadowing Dr. Choi, with reflection and writing assignments

TEACHING ACTIVITIES OUTSIDE STANFORD

(see chronology for details)

- **Harvard Law School:** Law and Neuroscience **2021 - present**
 - Annually provide didactics to Harvard law students on topics of forensic psychiatry, neuropsychiatry and neurolaw
- **Harvard Medical School:** Law, Ethics and Neuroscience **2023 - present**
 - Annually provide didactics to Harvard medical students on lie detection, interventional psychiatry, cutting-edge technologies in neuroscience
- **University of California, San Francisco-** Forensic Psychiatry Fellowship **2020 - present**
- **University of California, Los Angeles-** Forensic Psychiatry Fellowship
 - Annually provide didactics to forensic psychiatry fellows on topics of forensic psychiatry, neuropsychiatry and neurolaw

STANFORD EXTRACURRICULARS

- **Board Member, KZSU** radio station **2023 - present**
- **KZSU Radio Host** **Spring 2024**
 - hosted weekly call-in radio show, "Ask Dr. Choi," fielding questions from Stanford students and nation-wide on questions tapping into Dr. Choi's expertise in neuroscience, mindfulness, psychiatry and medicine. Show topics included toxic perfectionism, healthy relationships, sleep, meditation, and nutrition. Each show was co-hosted by one of my undergraduate students who expressed an interest in student wellness to provide their essential perspective to conversations.
- **Fellow, Medical Humanities Fellowship Program** **Spring 2025**
 - With training, mentorship and guidance, I am writing my first creative work: a science fiction novel based on a time-travelling neuropsychiatrist in the near future.

GRAND ROUNDS PRESENTATIONS

(see chronology for details)

- **2019: Stanford** Psychiatry Dept: "Neuroscience in the Courtroom"
- **2022: UCSF-** University of California, San Francisco: "What neuroscience can and cannot answer in the courtroom."
- **2023: UT:** University of Texas, San Antonio: "What neuroscience can and cannot answer in the courtroom."
- **2024: University of Utah:** "Acquired Criminality in the Courtroom."
- **2025: McGill University,** Montreal Canada: "Acquired Criminality in the Courtroom."

NATIONAL PRESENTATIONS

(see chronology for details)

Judicial Trainings

- **2016:** Macarthur-sponsored **Neurolaw conference:** "Reinventing Reentry: Brain, Behavior, and Better Decision-making." Portland, OR
 - Co-organized and presented at MacArthur Foundation Research Network conference aimed at judges, lawyers, clinicians and neuroscientists, addressing issues of the neuroscience of addiction and the law, Oregon Health and Sciences University, Portland, Oregon, October 25, 2016.
- **2017:** Macarthur-sponsored **Judicial training conference:** "Neuroscience and the Law." San Diego, CA
- **2018:** Los Angeles Superior Court- **Criminal Judges Training:** "Neuroimaging in the Courtroom: Distinguishing Neuroscience from Neuro-nonsense." Los Angeles, CA
- **2023:** Kline Center for Judicial Education- Continuing **Judicial Education** Program: "Neurolaw in the Classroom: What judges ought to know about neuroscience." Duquesne University, Pittsburgh PA

National conferences

- **2012: APA-** "Neural lie detection: admissibility of functional neuroimaging evidence in US courts." Presentation at American Psychiatric Association symposium, "Updated Applications of Expert Psychiatric Testimony in Criminal Justice", Philadelphia PA, May 8, 2012.
- **2015: AAPL-** Neuroscience and Criminal Responsibility." Organized and led panel presentation regarding the current state of neuroscience and its relevance in aiding determinations of criminal responsibility. American Academy of Psychiatry and the Law conference, Ft Lauderdale, Florida, October 23, 2015.
- **2016: AAPL-** "Neurolaw 101: Introduction to Neurolaw for Forensic Psychiatrists." Organized and taught a forensic neuroscience course highlighting neuroscience's potential and limitations to guide determinations of criminal responsibility, legally-relevant capacities such as testamentary capacity, lie detection, pain measurement, and violence risk prediction. American Academy of Psychiatry and the Law conference, Portland, Oregon, October 29, 2016.
- **2017: APA-** "The Evolution of Forensic Psychiatry." Presentation at the APA's Guttmacher Award Ceremony regarding neuroscience and ethical dilemmas posed by the forensic psychiatrist's dual identities as psychiatrist and forensic expert. American Psychiatric Association conference, San Diego CA, May 21, 2017.
- **2018: TEDx** talk- "Can Neuroscience Eradicate Psychopathy?" Featured TEDx speaker, Portland State University, Portland, Oregon, Feb 24, 2018. Link to video, over 50,000 views. https://www.youtube.com/watch?v=RB-qhZl_qLo
- **2019: AAPL-** "Neural Correlates of Criminality." Featured speaker, American Academy of Psychiatry and the Law conference, Baltimore, MD, October 25, 2019.

- **2020: Seton Hall Law School-** "Neural Correlates of Criminality."
Featured speaker, Neuroscience and the Law Symposium, Seton Hall University School of Law, Newark NJ, Feb 14, 2020.
- **2021: AAPL Fellowship Directors** Meeting-"The Fellowship Application Process Must Be Reformed."
Featured speaker, American Academy of Psychiatry and the Law conference, online (due to pandemic), October 28, 2021.
- **2022: AAPL-** "Tales from the tick tock heart: fitness trackers and crime."
Featured speaker, American Academy of Psychiatry and the Law conference, New Orleans, LA, October 29, 2022.
- **2023: Stanford Law School-** "Things that get better with age: neural correlates of wisdom."
Invited speaker, Biolawlapalooza conference, Stanford Law School. Stanford CA, May 19, 2023.
- **2023: APA-** "Neuroscience in the Courtroom." Chair and presenter, American Psychiatric Association Panel, APA conference. San Francisco, CA May 21, 2023.
- **2024: Stanford Law School-** "Normative databases I have known and loved." Invited speaker, Biolawlapalooza conference, Stanford Law School. Stanford CA, May 18, 2024.

PUBLICATIONS

- Choi, O (2025). "You're probably thinking about the brain all wrong." Chapter 17 In: *Expert Mental Health Opinions: From Inquiry to Knowledge*, Oxford University Press.
- Gupta, D. R., Candilis, P. J., Choi, O., Abi Zeid Daou, M., Kapoor, R., Cleary, S. D., Binder, R., & Ash, P. (2024). "Attitudes of Forensic Fellowship Psychiatry Directors towards an Applicant Match." *The Journal of the American Academy of Psychiatry and the Law*, 52(3), 304–310.
<https://doi.org/10.29158/JAAPL.240053-24>
- Choi, O. (2023). Neuroinnovation in Medicine: History and Future. In *Ethics and Clinical Neuroinnovation: Fundamentals, Stakeholders, Case Studies, and Emerging Issues* (pp. 13-55). Cham: Springer International Publishing.
- Choi, Octavio (2021). "The Fellowship Application Process Must Be Reformed." *The Journal of the American Academy of Psychiatry and the Law*, 2021 Sep; 49 (3): 300-310.
- Choi, Octavio (2020). "Announcing the First Neurolaw-focused Forensic Psychiatry Fellowship." *Newsletter of the American Academy of Psychiatry and the Law*, fall 2020.
- Tacker, Katherine, and Choi, Octavio, (2019). Belonging, Therapeutic Landscapes, and Networks: Implications for Mental Health Practice. *The Journal of the American Academy of Psychiatry and the Law*, 2019 Aug; 47(3): 388-390.
- Choi, Octavio, (2017). What Neuroscience Can and Cannot Answer. *The Journal of the American Academy of Psychiatry and the Law*, 2017 Sep; 45(3): 278-285.
This paper summarizes what I regard as the current potential and general limitations of neuroimaging evidence in court, based on experiences testifying in such cases.
- Choi, Octavio (2015). "Neuroimaging and Lie Detection: ready for court?"
Book chapter in *Psychiatric Expert Testimony: Emerging Applications*, Kenneth Weiss and Clarence Watson, eds, Oxford University Press, 2015: 84-96. Featured review in the *American Journal of Psychiatry*, 172:9, Sep 2015: 915.
- Choi, Octavio and KJ Weiss (2012). "Adjudicating dangerous and incompetent defendants: civil or criminal?" *Journal of the American Academy of Psychiatry and the Law*, 2012 Apr; 40(2): 279-281.
- Choi, Octavio, and MR Irwin (2008). "Insomnia in Aging", Book chapter in: Avidan AY, Alessi C, eds. *Geriatric Sleep Medicine*, New York: Informa Healthcare, 2008, pages 89-112

REVERSE-CHRONOLOGICAL LIST OF ACTIVITIES

- Choi, O (2025). "You're probably thinking about the brain all wrong." In: *Expert Mental Health Opinions: From Inquiry to Knowledge*, Oxford University Press.
- Choi, Octavio (2025). "Introduction to Forensic Neuroscience." Invited lecturer, Harvard Law School, Law and Neuroscience seminar. Cambridge, MA, Feb 4, 2025.
- Gupta, D. R., Candilis, P. J., Choi, O., Abi Zeid Daou, M., Kapoor, R., Cleary, S. D., Binder, R., & Ash, P. (2024). "Attitudes of Forensic Fellowship Psychiatry Directors towards an Applicant Match." *The Journal of the American Academy of Psychiatry and the Law*, 52(3), 304–310. <https://doi.org/10.29158/JAAPL.240053-24>
- Choi, Octavio (2024). "Normative databases I have known and loved." Invited speaker, Biolawlapalooza conference, Stanford Law School. Stanford CA, May 18, 2024.
- Choi, O. (2023). Neuroinnovation in Medicine: History and Future. In *Ethics and Clinical Neuroinnovation: Fundamentals, Stakeholders, Case Studies, and Emerging Issues* (pp. 13-55). Cham: Springer International Publishing.
- Choi, Octavio (2023). "Neuroscience in the Courtroom." Chair and presenter, American Psychiatric Association Panel, APA conference. San Francisco, CA May 21, 2023.
- Choi, Octavio (2023). "Things that get better with age: neural correlates of wisdom." Invited speaker, Biolawlapalooza conference, Stanford Law School. Stanford CA, May 19, 2023.
- Choi, Octavio (2023). "What judges ought to know about neuroscience." Invited speaker, "Neurolaw in the Courtroom" Continuing Judicial Education training program sponsored by the Thomas R. Kline Center for Judicial Education, Duquesne University, Pittsburgh PA, March 23, 2023.
- Choi, Octavio (2023). "Acquired criminality and the neuroscience of moral decision-making." Invited lecturer, University of California, San Francisco, Forensic Psychiatry Fellowship Program, Feb 22, 2023.
- Choi, Octavio (2023). "Introduction to Forensic Neuroscience." Invited lecturer, Harvard Law School, Law and Neuroscience seminar. Cambridge, MA, Feb 1, 2023.
- Choi, Octavio (2022). "Brain-activity based mindreading and privacy." Invited speaker, Stanford Data Sciences Salon, Stanford CA, Nov 7, 2022.
- Choi, Octavio (2022). "Tales from the tick tock heart: fitness trackers and crime." Featured speaker, American Academy of Psychiatry and the Law conference, New Orleans, LA, October 29, 2022.
- Choi, Octavio (2022). "Introduction to Forensic Neuroscience." Invited lecturer, Stanford Law School, Mental Health Law seminar, Stanford CA, Feb 10, 2022.
- Choi, Octavio (2022). "What Neuroscience Can and Cannot Answer in the Courtroom." Grand Rounds presentation for the Psychiatry Department of University of California School of Medicine, San

Francisco CA, Feb 15, 2022.

Choi, Octavio (2022). "Introduction to Forensic Neuroscience." Invited lecturer, Harvard Law School, Law and Neuroscience seminar. Cambridge, MA, Feb 2, 2022.

Choi, Octavio (2021). "The Fellowship Application Process Must Be Reformed."
Featured speaker, American Academy of Psychiatry and the Law conference, online, October 28, 2021.

Choi, Octavio (2021). "The Fellowship Application Process Must Be Reformed." *The Journal of the American Academy of Psychiatry and the Law*, 2021 Sep; 49 (3): 300-310.

Choi, Octavio (2021). "Neuroscience and the Age of Innocence."
Invited lecturer, University of California, San Francisco, Forensic Psychiatry Fellowship Program, March 11, 2021.

Choi, Octavio (2021). "Introduction to Forensic Neuroscience."
Invited lecturer, Harvard Law School, Center for Law, Brain and Behavior, Feb 3, 2021.

Choi, Octavio (2020). "Neural Correlates of Criminality."
Featured speaker, Napa State Hospital CME series, Napa CA, Sep 30, 2020.

Choi, Octavio (2020). "Announcing the First Neurolaw-focused Forensic Psychiatry Fellowship."
Newsletter of the American Academy of Psychiatry and the Law, fall 2020.

Choi, Octavio (2020). "Neural Correlates of Criminality."
Featured speaker, Neuroscience and the Law Symposium, Seton Hall University School of Law, Newark NJ, Feb 14, 2020.

Choi, Octavio (2019). "Neuroscience in the courtroom."
Grand Rounds presentation for the Psychiatry Department of Stanford University School of Medicine, Stanford CA, Oct 10, 2019.

Tacker, Katherine, and Choi, Octavio, (2019). Belonging, Therapeutic Landscapes, and Networks: Implications for Mental Health Practice. *The Journal of the American Academy of Psychiatry and the Law*, 2019 Aug; 47(3): 388-390.

Choi, Octavio (2019). "Neural Correlates of Criminality."
Featured speaker, American Academy of Psychiatry and the Law conference, Baltimore, MD, October 25, 2019.

Choi, Octavio (2018). "Psychopathy and the Neuroscience of Morality."
Public neuroscience lecture on behalf of Science on Tap (educational non-profit) regarding the neurobiological basis of psychopathy, moral reasoning, and implications for the law. Aladdin Theater, Portland, Oregon, October 30, 2018. Sold out show, 600 seat capacity.

Choi, Octavio (2018). "Neuroimaging in the Courtroom: Distinguishing Neuroscience from Neuro-nonsense".

Invited speaker for the Los Angeles County Criminal Bench Seminar, an annual judicial training conference with over 200 criminal judges from Los Angeles County (the largest trial court in the country) in attendance. October 26, 2018.

Choi, Octavio (2018). "Psychopathy and the Neuroscience of Morality."

Public neuroscience lecture on behalf of OMSI (Oregon Museum of Science and Industry) regarding the neurobiological basis of psychopathy, moral reasoning, and implications for the law. McMenamins Mission Theater, Portland, Oregon, June 7, 2018. Sold out show, 250 seat capacity.

Choi, Octavio (2018). "Neurobiology of Deception."

Featured panel speaker on Pseudologica Fantastica, American Psychiatry Association conference, New York, New York, May 6, 2018.

Choi, Octavio (2018). "Can Neuroscience Eradicate Psychopathy?"

Featured TEDx speaker, Portland State University, Portland, Oregon, Feb 24, 2018. Link to video, over 29,000 views. https://www.youtube.com/watch?v=RB-qhZl_qLo

Choi, Octavio (2018). "Psychopathy: Neuroscience and Forensic Implications."

Featured speaker, Oregon Law and Mental Health Conference, Portland OR, March 2, 2018.

Choi, Octavio, Tor Wager, Amanda Pustilnik, Stephen Easton (2017). "Pain Neuroimaging: Neuroscience and Forensic Implications."

Organized and led an expert panel presentation highlighting the latest neuroscience-based models of pain perception, efforts to use artificial intelligence and functional neuroimaging to quantify pain levels, and forensic implications of such efforts. American Academy of Psychiatry and the Law conference, Denver, CO, October 29, 2017.

Choi, Octavio, (2017). What Neuroscience Can and Cannot Answer. *The Journal of the American Academy of Psychiatry and the Law*, 2017 Sep; 45(3): 278-285.

This paper summarizes what I regard as the current potential and general limitations of neuroimaging evidence in court, based on experiences testifying in such cases.

Choi, Octavio, Francis Shen, David Faigman, and Mark Mapstone (2017). "Neuroscience and the Law."

Judicial training sponsored by the MacArthur Foundation Research Network on Law and Neuroscience and the Advanced Judicial Studies Institute, San Diego CA, June 27, 2017.

Choi, Octavio (2017). "The Criminal Brain."

In 2017, I was selected by OHSU's Brain Institute to be a featured speaker in their "Brain Awareness" lecture series, established in 2000 to communicate the newest developments in neuroscience to the general public. Past speakers have included luminaries such as Christof Koch and Patricia Churchland. This talk reviewed the latest neuroscientific findings regarding the biological basis of psychopathy, and implications for the law. Newmark Theater, Portland, Oregon, March 20, 2017. Over 500 tickets sold.

Choi, Octavio (2017). "Neural Correlates of Moral Reasoning."

Grand Rounds presentation for the Psychiatry Department of the Oregon Health and Sciences University, Portland OR, March 2017.

Choi, Octavio (2017). "Reading Minds with Machines."

Lecture at University of Oregon law school, Portland OR, Nov 2017.

Choi, Octavio, Ken Weiss, Tom Gutheil, et al (2017). "The Evolution of Forensic Psychiatry."

Presentation at the APA's Guttman Award Ceremony regarding neuroscience and ethical dilemmas posed by the forensic psychiatrist's dual identities as psychiatrist and forensic expert. American Psychiatric Association conference, San Diego CA, May 21, 2017.

Featured writeup in the Psychiatric Times, "Founder of Modern Forensic Psychiatry Honored with Guttman Award", July 28 2017.

Choi, Octavio, Stephen Morse, Francis Shen, Manish Fozdar, et al (2016). "Neurolaw 101: Introduction to Neurolaw for Forensic Psychiatrists."

Organized and taught a forensic neuroscience course highlighting neuroscience's potential and limitations to guide determinations of criminal responsibility, legally-relevant capacities such as testamentary capacity, lie detection, pain measurement, and violence risk prediction. American Academy of Psychiatry and the Law conference, Portland, Oregon, October 29, 2016.

Choi, Octavio, Francis Shen, Michael Posner, Wilson Compton, et al (2016). "Reinventing Reentry: Brain, Behavior, and Better Decision-Making."

Co-organized and presented at MacArthur Foundation Research Network conference aimed at judges, lawyers, clinicians and neuroscientists, addressing issues of the neuroscience of addiction and the law, Oregon Health and Sciences University, Portland, Oregon, October 25, 2016.

Choi, Octavio, Francis Shen, Robert Granacher, et al (2015). "Neuroscience and Criminal Responsibility."

Organized and led panel presentation regarding the current state of neuroscience and its relevance in aiding determinations of criminal responsibility. American Academy of Psychiatry and the Law conference, Ft Lauderdale, Florida, October 23, 2015.

Choi, Octavio (2015). "Mind-reading with fMRI."

Grand Rounds presentation for the Psychiatry Department of the Oregon Health and Sciences University, Portland OR, May 2015.

Choi, Octavio (2015). "Mind-reading with fMRI: promise and perils."

Presentation at University of Oregon law school, Portland OR, Feb 20, 2015.

Choi, Octavio (2015). "The Neurobiology of Borderline Personality Disorder."

Featured presentation at Oregon Psychiatric Association annual meeting, Portland, Oregon, Feb 28, 2015.

Choi, Octavio (2015). "Neuroimaging and Lie Detection: ready for court?"

Book chapter in *Psychiatric Expert Testimony: Emerging Applications*, Kenneth Weiss and Clarence Watson, eds, Oxford University Press, 2015: 84-96. Featured review in the American Journal of Psychiatry, 172:9, Sep 2015: 915.

Choi, Octavio (2014). "You can't hide your lying mind: the neuroscience of lie detection."

Featured presentation at Oregon Psychiatric Association annual meeting, Portland, Oregon, March 1, 2014.

Choi, Octavio (2014). "Neuroimaging 101: an introduction to techniques of functional brain imaging." Featured presentation at Oregon Psychiatric Association annual meeting, Portland, Oregon, March 1, 2014.

Choi, Octavio (2012). "Neural lie detection: admissibility of functional neuroimaging evidence in US courts." Presentation at American Psychiatric Association symposium, "Updated Applications of Expert Psychiatric Testimony in Criminal Justice", Philadelphia PA, May 8, 2012.

Choi, Octavio (2012). "Neurolaw: the perils (and promises) of neuro-wizardry." Presentation at University of Pennsylvania, forensic psychiatry seminar series, Philadelphia PA, April 24, 2012

Choi, Octavio and KJ Weiss (2012). "Adjudicating dangerous and incompetent defendants: civil or criminal?" *Journal of the American Academy of Psychiatry and the Law*, 2012 Apr; 40(2): 279-281.

Choi, Octavio, and MR Irwin (2008). "Insomnia in Aging", Book chapter in: Avidan AY, Alessi C, eds. *Geriatric Sleep Medicine*, New York: Informa Healthcare, 2008, pages 89-112

Choi, Octavio (2001), "The Role of BDNF in the Development of Retinotectal Topographic Projections in the Chick." PhD dissertation, University of California, San Diego, September, 2001

Choi, Octavio, and DDM O'Leary (2000). "BDNF is a branching factor for retinotectal axons in the chick." Presentation at Society for Neurosciences annual meeting, November, 2000

Choi, Octavio, and DDM O'Leary (1999). "Potential role of BDNF and TrkB in Developing Topographic Retinotectal Projections", Poster at Society for Neurosciences, November 1999

Choi SB, Yates PA, and DDM O'Leary (1998). "Localized BDNF application induces branch-like structures along retinal axons", Poster at Society for Neurosciences, November 1998

Choi SB, and MH Tuszynski (1997). "An in vivo method to assay substrates for axon growth after injury in the adult rat", *Journal of Neurotrauma*, 1997, Volume: 14(10): 803

Choi SB, Anand S, Hotson J (1995). "Transcranial magnetic perturbation of motion and luminance signals in striate and extrastriate cortex", *Investigative Ophthalmology & Visual Science*, 1995, Volume: 36(4): S56