**Course Objectives**

1. Understand the neurobiology of psychiatry
2. Search for and select robust, relevant literature about topics of inquiry
3. Apply scientific knowledge to clinical assessments and treatments.
4. Translate scientific knowledge and clinical reasoning into language that is intellectually and developmentally appropriate for your intended audience

Residents will complete the assigned reading for each class. The assigned resident will give a 45-50 minute presentation based on the Stahl’s reading of the day including preparing a short quiz (5-10 PRITE/ABPN-style questions) on their topic. Quizzes may be taken from board prep question books, previous PRITE exams, or created by residents based on “Stahl’s Essential Psychopharamacology” or relevant quality literature. Each resident didactic will begin with the quiz. The resident should go through the quiz including explanations for each answer and teaching points based on the assigned reading expounding on the topic. Discussion, articles, power points, 3D Brain App (https://itunes.apple.com/us/app/3d-brain), Genes to Cognition Online ([g2conline.org/](http://www.g2conline.org/)), and/or other novel resources/methods may be used to teach. In particular, focus on risk factors (i.e., genetics/heritability, neuroanatomy, neurochemistry, endocrinology, immunology, metabolism/nutrition/physical activity, sleep, substances/medications, prenatal/age-related, gender), and how these factors relate to a disorder/symptom (e.g. “low serotonin is associated with depression-related appetite changes in part because serotonin is supposed to modulate the Nucleus Accumbens which is involved in satiety”). Lastly (the clinical “pearl”), the resident didactic needs to have a clinical case scenario that explains how this scientific knowledge can be utilized and communicated to a patient in a clinical setting.

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| **Date** | **Topic** | **Presenter(s)** | **Reading** |
| 3 Nov  4pm | Introduction/Brain Gross Anatomy | Coles |  |
| 10 Nov 4pm | Neuro-molecular signaling Review | Ash | Stahl 1-3 |
| 17 Nov 4pm | Psychosis | Beich | Stahl 4 |
| 24 Nov  4pm | Holiday | N/A | N/A |
| 1 Dec  4pm | *Dopamine Pathways* | Gainer |  |
| 8 Dec  4pm | Antipsychotics | Bourke | Stahl 5 |
| 15 Dec  4pm | Kahoot Review/*Borderline PD* | Gainer/Coles |  |
| 22 Dec  4pm | Holiday | N/A | N/A |
| 29 Dec  4pm | Holiday | N/A | N/A |
| 5 Jan  4pm | Mood & Mood Stabilizers | Caujolle-Alls | Stahl 6 & 8 |
| 12 Jan 4pm | *Bipolar Disorder* | Coles |  |
| 19 Jan  4pm | Antidepressants | Maharaj | Stahl 7 |
| 26 Jan  4pm | *Psychopharmocology & Major Depression* | Gainer |  |
| 2 Feb  4pm | Anxiety and Treatment | Miller | Stahl 9 |
| 9 Feb  4pm | *Find It, Draw It, Know It: Fear Circuitry* | Coles |  |
| 16 Feb  4pm | ADHD & Treatment | Subler | Stahl 12 |
| 23 Feb  4pm | *From Circuit to Symptom: Understanding the ADHD Brain* | Harper |  |
| 2 Mar  4pm | Reverse Didactics | N/A | N/A |
| 9 Mar  4pm | Chronic Pain/Sleep Disorders & Treatment | Saherwala | Stahl 10 & 11 |
| 16 Mar  4pm | *Find It, Draw It, Know It: Pain Circuitry* | Gainer |  |
| 23 Mar  4pm | Neurobiology of Alzheimer’s Disease | Gainer | Neurobiology of Alzheimer’s Disease |
| 30 Mar  4pm | Dementia & Treatment | Schnipke | Stahl 13 |
| 6 Apr  4pm | Impulsivity, Compulsivity & Addiction | Virgo | Stahl 14 |
| 13 Apr  4pm | *Talking Pathways: Addiction* | Gainer |  |
| 20 Apr  4pm | Jeopardy | Coles |  |
| 27 Apr  4pm | Jeopardy | Coles |  |

**Faculty Coverage:**