

NNCI Modules by Disorder

Topic	NNCI Modules (as of 03/2019)	
Basic Neuroscience	<ul style="list-style-type: none"> <input type="checkbox"/> Fundamentals: Play-doh Brain <input type="checkbox"/> Fundamentals: 3D Brain <input type="checkbox"/> Fundamentals: Play-doh Temporal Lobe <input type="checkbox"/> Fundamentals: Celebrity/Pictionary Mash-Up <input type="checkbox"/> Fundamentals: Dopamine Pathways <input type="checkbox"/> FIDIKI: Pain Circuitry & Regulation <input type="checkbox"/> FIDIKI: Fear Circuitry <input type="checkbox"/> FIDIKI: Seasonal Affective Disorder and Bright Light Therapy 	<ul style="list-style-type: none"> <input type="checkbox"/> RDoC: The Game <input type="checkbox"/> BPCC: Architecture Cortex <input type="checkbox"/> BPCC: Synaptic Plasticity <input type="checkbox"/> BPCC: Modern Microglia & Psychiatric Disorders <input type="checkbox"/> BAR: Default Mode Network <input type="checkbox"/> TSIRC: SOS: Your System's been Hijacked (Erica Baller) <input type="checkbox"/> TSIRC: Dude There's a Fly <input type="checkbox"/> <i>BPCC: Azalla to Anandamide: Cannabinoids</i> <input type="checkbox"/> <i>BPCC: Cannabinoids and Pain</i>
Brain Stimulation	<ul style="list-style-type: none"> <input type="checkbox"/> Expert Video: ECT <input type="checkbox"/> NitM: ECT <input type="checkbox"/> NitM: tDCS <input type="checkbox"/> BPCC: The Electrochemical Brain (Interventional Psychiatry) 	<ul style="list-style-type: none"> <input type="checkbox"/> <i>BAR: Default Mode Network</i> <input type="checkbox"/> <i>TSIRC: PsyBorg [brain-machine interfaces]</i> <input type="checkbox"/> <i>TSIRC: Placebo Effect (Noah Philip)</i> <input type="checkbox"/> <i>BPCC: What We've Got Here is Failure to Communicate [closed-loop stimulation]</i>
Modern Methods	<ul style="list-style-type: none"> <input type="checkbox"/> BAR: MRI for Psychiatry <input type="checkbox"/> NitM: Optogenetics <input type="checkbox"/> BPCC: Out of the Cave, Into the Light [organoids] <input type="checkbox"/> BPCC: Missed Connections: A Network Approach <input type="checkbox"/> TSIRC: Circuit Workouts Lightheaded [optogenetics] <input type="checkbox"/> TSIRC: Circuit Workouts Better off DREADD [designer receptors] 	<ul style="list-style-type: none"> <input type="checkbox"/> BPCC: Found in Translation: Autism Genetics <input type="checkbox"/> TSIRC: Crossing Barriers (Tara Thompson-Felix) <input type="checkbox"/> TSIRC: PsyBorg [brain machine interfaces] <input type="checkbox"/> TSIRC: Computational Approaches <input type="checkbox"/> TSIRC: Dude There's a Fly, [animal models in neuroscience] <input type="checkbox"/> TSIRC: Psychosurgery, Past & Future [closed-loop stimulation] <input type="checkbox"/> TSIRC: Genetic CBT [CRISPR] <input type="checkbox"/> TSIRC: Feedback for Lisa (Maria Pico-Perez) <input type="checkbox"/> TSIRC: Placebo Effect (Noah Philip)
Neurogenetics and Genetic Disorders	<ul style="list-style-type: none"> <input type="checkbox"/> PCC: Autism Spectrum <input type="checkbox"/> PCC: Psychopharmacogenomics <input type="checkbox"/> BPCC: Small RNAs [microRNAs] <input type="checkbox"/> BPCC: A Fragile Balance [Fragile X syndrome] <input type="checkbox"/> BPCC: Genes Orchestrating Brain Function <input type="checkbox"/> BPCC: Psychiatric Pharmacogenomics <input type="checkbox"/> BPCC: Found in Translation: Autism Genetics <input type="checkbox"/> TSIRC: Far from the Tree (Emily Olfson) 	<ul style="list-style-type: none"> <input type="checkbox"/> BPCC: Nature of Nurture [development and adult stress] <input type="checkbox"/> NitM: Optogenetics <input type="checkbox"/> BPCC: Leveraging the Power of Genetics [precision medicine] <input type="checkbox"/> BPCC: Polygenic Risk Scores: what are they good for? <input type="checkbox"/> CNC: Epigenetics and Trauma <input type="checkbox"/> TSIRC: Hidden Scars (Remmelt Shur) <input type="checkbox"/> TSIRC: Franklin's Future (Melanie Grubisha)
Neurochemistry	<ul style="list-style-type: none"> <input type="checkbox"/> TN: Depression [treatment] <input type="checkbox"/> TN: Bipolar [diagnosis/etiology] <input type="checkbox"/> NLab: Reward Mechanisms <input type="checkbox"/> NLab: Cognition in Schizophrenia <input type="checkbox"/> PCC: Psychopharmacogenomics 	<ul style="list-style-type: none"> <input type="checkbox"/> TPP: Addiction <input type="checkbox"/> BPCC: Psychiatric Pharmacogenomics <input type="checkbox"/> NitM: Heroin Vaccine <input type="checkbox"/> Expert Video: Dopamine System (Nii Addy) <input type="checkbox"/> ICC: PTSD

Resources in Bold = highly recommended

Resources in Italics = briefer resource/relation to topic

BAR = Brief Accessible Review; BPCC = Biological Psychiatry Clinical Commentary; CNC = Clinical Neuroscience Conversations; FIDIKI = Find It Draw It Know It; ICC = Integrative Case Conference; NitM = Neuroscience in the Media; NLab = Neuroscience Lab; PCC = Progressive Case Conference; TN = Translational Neuroscience; TPP = Talking Pathways to Patients; TSIRC = This 'Stuff' Is Really Cool.

Topic by Diagnosis, Syndrome, or Treatment	NNCI Modules (as of 03/2019)	
ADHD	<input type="checkbox"/> TPP: From Circuit to Symptom: ADHD Brain <input type="checkbox"/> Expert Video: Childhood ADHD	<input type="checkbox"/> BPCC: Shifting Focus
Anxiety Disorders	<input type="checkbox"/> FIDIKI: Fear Circuitry <input type="checkbox"/> CNC: Translational neuroscience and stress adaptation <input type="checkbox"/> BPCC: Parable of Panic <input type="checkbox"/> <i>TSIRC: Feedback for Lisa (Maria Pico-Perez)</i> <input type="checkbox"/> <i>TSIRC: Precision Medicine [biomarkers/biotypes]</i>	<input type="checkbox"/> <i>TPP: Addiction</i> <input type="checkbox"/> <i>BPCC: Azalla to Anandamide: Cannabinoids</i> <input type="checkbox"/> <i>NitM: tDCS</i> <input type="checkbox"/> <i>NitM: Trip Treatment [psilocybin & end of life treatment]</i> <input type="checkbox"/> <i>NitM: Microbiome/Excrement</i> <input type="checkbox"/> <i>NitM: Microbiome/Probiotics</i>
Attachment Disorders	<input type="checkbox"/> NLab: Attachment	
Autism Spectrum Disorders	<input type="checkbox"/> PCC: Autism Spectrum <input type="checkbox"/> BPCC: Found in Translation <input type="checkbox"/> <i>NitM: Microbiome/Probiotics</i> <input type="checkbox"/> <i>TSIRC: Mystery of Autism (Kartik Pattabiraman)</i>	<input type="checkbox"/> <i>TSIRC: Far from the Tree (Emily Olsson)</i> <input type="checkbox"/> <i>TSIRC: Microglia & Psychiatric Disorders</i> <input type="checkbox"/> <i>TSIRC: Your Brain in a Dish [pluripotent stem cells]</i>
Bipolar Disorders	<input type="checkbox"/> TN: Bipolar <input type="checkbox"/> NLab: Affect Regulation <input type="checkbox"/> <i>BPCC: So Happy Together: Mitochondria and the Mind</i>	<input type="checkbox"/> <i>Expert Video: ECT (Sarah Lisanby)</i> <input type="checkbox"/> <i>TSIRC: Genetic CBT [CRISPR]</i> <input type="checkbox"/> <i>TSIRC: Precision Medicine [biomarkers/biotypes]</i> <input type="checkbox"/> <i>TSIRC: Feedback for Lisa (Maria Pico-Perez)</i>
Catatonia	<input type="checkbox"/> Expert Video: ECT (Sarah Lisanby)	
Complementary and Alternative Treatments	<input type="checkbox"/> BPCC: More than a Gut Feeling <input type="checkbox"/> <i>NitM: Trip Treatment [psilocybin & end of life treatment]</i> <input type="checkbox"/> <i>NitM: Microbiome/Excrement</i>	<input type="checkbox"/> <i>NitM: Microbiome/Probiotics</i> <input type="checkbox"/> <i>NitM: Social Media</i> <input type="checkbox"/> <i>TSIRC: Forget Everything (Roel Mocking)</i>
Delirium	<input type="checkbox"/> BPCC: Checking the Brain's Immune Privilege	

Resources in Bold = highly recommended

Resources in Italics = briefer resource/relation to topic

BAR = Brief Accessible Review; BPCC = Biological Psychiatry Clinical Commentary; CNC = Clinical Neuroscience Conversations; FIDIKI = Find It Draw It Know It; ICC = Integrative Case Conference; NitM = Neuroscience in the Media; NLab = Neuroscience Lab; PCC = Progressive Case Conference; TN = Translational Neuroscience; TPP = Talking Pathways to Patients; TSIRC = This 'Stuff' Is Really Cool.

Topic by Diagnosis, Syndrome, or Treatment	NNCI Modules (as of 03/2019)	
Depressive Disorders	<ul style="list-style-type: none"> <input type="checkbox"/> TN: Psychopharmacology & Major Depression <input type="checkbox"/> NLab: Affect Reg <input type="checkbox"/> Expert Video: ECT (Sarah Lisanby) <input type="checkbox"/> Expert Video: Cellular & Molecular Basis of Depression (Etienne Sibille) <input type="checkbox"/> TSIRC: Neuroscience of Kafka (Joseph Taylor) <input type="checkbox"/> <i>BPCC: The Habenula</i> <input type="checkbox"/> <i>BPCC: Out of the Cave, Into the Light [organoids]</i> <input type="checkbox"/> <i>BPCC: So Happy Together: Mitochondria and the Mind</i> <input type="checkbox"/> <i>BPCC: The Electrochemical Brain (Interventional Psychiatry)</i> <input type="checkbox"/> <i>BPCC: What We've Got Here is Failure to Communicate [Closed-Loop Stimulation]</i> <input type="checkbox"/> <i>BPCC: Reshaping the Depressed Brain</i> 	<ul style="list-style-type: none"> <input type="checkbox"/> <i>NitM: tDCS</i> <input type="checkbox"/> <i>NitM: Microbiome/Probiotics</i> <input type="checkbox"/> <i>NitM: Microbiome/Excrement</i> <input type="checkbox"/> <i>NitM: Emotions/Memory</i> <input type="checkbox"/> <i>NitM: Trip Treatment [psilocybin & end of life treatment]</i> <input type="checkbox"/> <i>FIDIKI: Seasonal Affective Disorder</i> <input type="checkbox"/> <i>TSIRC: Microglia & Psychiatric Disorders</i> <input type="checkbox"/> <i>TSIRC: Precision Medicine [biomarkers/biotypes]</i> <input type="checkbox"/> <i>TSIRC: Computational Approaches</i> <input type="checkbox"/> <i>TSIRC: Forget Everything (Roel Mocking)</i> <input type="checkbox"/> <i>TSIRC: Menstrual Mysteries (Erica Baller)</i> <input type="checkbox"/> <i>TSIRC: Feedback for Lisa (Maria Pico-Perez)</i> <input type="checkbox"/> <i>TSIRC: Placebo Effect (Noah Philip)</i> <input type="checkbox"/> <i>BAR: Default Mode Network</i> <input type="checkbox"/> <i>Expert Video: Dopamine System (Nii Addy)</i> <input type="checkbox"/> <i>Expert Video: Stress (Carlos Bolanos)</i>
Eating Disorders	<ul style="list-style-type: none"> <input type="checkbox"/> Expert Video: Eating Disorders (Carrie McAdams) 	<ul style="list-style-type: none"> <input type="checkbox"/> <i>BPCC: Eat to Live</i> <input type="checkbox"/> <i>NitM: Optogenetics</i>
Neurocognitive Disorders	<ul style="list-style-type: none"> <input type="checkbox"/> CNC: Neurobiology of Alzheimer's Disease <input type="checkbox"/> TN: Alzheimer's Disease <input type="checkbox"/> Cut and Paste: Neurodegenerative Disorders <input type="checkbox"/> NitM: Chain Reaction [potential transmissibility of Alzheimer's] 	<ul style="list-style-type: none"> <input type="checkbox"/> NitM: Shining Light on Alzheimer's <input type="checkbox"/> NitM: Alzheimer's Disease & Fungus <input type="checkbox"/> <i>TSIRC: Neural Surveillance [calcium channel imaging]</i> <input type="checkbox"/> <i>BPCC: Metabolism and Memory</i> <input type="checkbox"/> <i>BAR: Default Mode Network</i>
Neurodevelopmental Disorders	<ul style="list-style-type: none"> <input type="checkbox"/> Cut and Paste: Neurodevelopmental Disorders <input type="checkbox"/> PCC: Autism Spectrum <input type="checkbox"/> <i>BPCC: A Fragile Balance [Fragile X]</i> <input type="checkbox"/> <i>BPCC: Poverty, Parenting, and Psychiatry</i> <input type="checkbox"/> <i>TSIRC: Crossing Barriers (Tara Thompson-Felix)</i> 	<ul style="list-style-type: none"> <input type="checkbox"/> <i>TSIRC: Spoken Word (Amy Margolis)</i> <input type="checkbox"/> <i>TSIRC: Your Brain in a Dish [pluripotent stem cells]</i> <input type="checkbox"/> <i>TSIRC: Genetic CBT [CRISPR]</i> <input type="checkbox"/> <i>Expert Video: Genetics, Neuro Dev. & Child Psych (Stacy Drury)</i> <input type="checkbox"/> <i>NitM: Effects of Marijuana</i>
Neurologic Disorders	<ul style="list-style-type: none"> <input type="checkbox"/> NitM: Foreign Accent <input type="checkbox"/> NitM: Trip Treatment [psilocybin & end of life treatment] 	<ul style="list-style-type: none"> <input type="checkbox"/> <i>TSIRC: Circuit Workouts Lightheaded [optogenetics]</i> <input type="checkbox"/> <i>TSIRC: PsyBorg [brain machine Interfaces]</i>
Obsessive Compulsive Disorder	<ul style="list-style-type: none"> <input type="checkbox"/> NitM: Trip Treatment [psilocybin & end of life treatment] <input type="checkbox"/> <i>TSIRC: Feedback for Lisa (Maria Pico-Perez)</i> 	<ul style="list-style-type: none"> <input type="checkbox"/> Video: ECT (Sarah Lisanby) <input type="checkbox"/> <i>TSIRC: Microglia & Psychiatric Disorders</i>
Pain	<ul style="list-style-type: none"> <input type="checkbox"/> FIDIKI: Pain <input type="checkbox"/> <i>BPCC: Cannabinoids and Pain</i> 	<ul style="list-style-type: none"> <input type="checkbox"/> <i>BPCC: Your System Has Been Hijacked</i> <input type="checkbox"/> <i>TSIRC: SOS: Your System's been Hijacked (Erica Baller)</i>

Resources in Bold = highly recommended

Resources in Italics = briefer resource/relation to topic

BAR = Brief Accessible Review; BPCC = Biological Psychiatry Clinical Commentary; CNC = Clinical Neuroscience Conversations; FIDIKI = Find It Draw It Know It; ICC = Integrative Case Conference; NitM = Neuroscience in the Media; NLab = Neuroscience Lab; PCC = Progressive Case Conference; TN = Translational Neuroscience; TPP = Talking Pathways to Patients; TSIRC = This 'Stuff' Is Really Cool.

Topic by Diagnosis, Syndrome, or Treatment	NNCI Modules (as of 03/2019)	
Personality Disorders	<input type="checkbox"/> TN: Borderline PD <input type="checkbox"/> TPP: Borderline PD <input type="checkbox"/> CNC: Epigenetics and Trauma	<input type="checkbox"/> <i>NLab: Attachment</i> <input type="checkbox"/> <i>BPCC: Using Neuroscience to Make Sense of Psychopathy</i>
Psychotherapy	<input type="checkbox"/> NLab: Reward <input type="checkbox"/> NitM: Trip Treatment [psilocybin & end of life treatment] <input type="checkbox"/> ICC: PTSD	<input type="checkbox"/> Expert Video: Intergenerational Trauma (Brian Dias) <input type="checkbox"/> TPP: Addiction <input type="checkbox"/> TN: Bipolar <input type="checkbox"/> TSIRC: Genetic CBT [CRISPR]
Schizophrenia Spectrum Disorders	<input type="checkbox"/> Fundamentals: Dopamine Pathways <input type="checkbox"/> NLab: Cognition in Schizophrenia <input type="checkbox"/> ICC: Neuroscience of Delusions <input type="checkbox"/> CNC: Auditory/Verbal hallucinations <input type="checkbox"/> CNC: Endophenotypes and Psychosis <input type="checkbox"/> Expert Video: Neuroscience & Schizophrenia (Adrienne Lahti) <input type="checkbox"/> Expert Video: First Episode Schizophrenia (Oliver Howes) <input type="checkbox"/> <i>BAR: Default Mode Network</i> <input type="checkbox"/> <i>BPCC: Out of the Cave, Into the Light [organoids]</i>	<input type="checkbox"/> <i>BPCC: Missed Connections: A Network Approach</i> <input type="checkbox"/> <i>BPCC: the NMDA Receptor</i> <input type="checkbox"/> <i>BPCC: Addressing Cognitive Deficits in SCZ</i> <input type="checkbox"/> <i>BPCC: Guided by Voices</i> <input type="checkbox"/> <i>Video: ECT (Sarah Lisanby)</i> <input type="checkbox"/> <i>TSIRC: Your Brain in a Dish</i> <input type="checkbox"/> <i>TSIRC: Microglia & Psychiatric Disorders</i> <input type="checkbox"/> <i>TSIRC: Precision Medicine [biomarkers/biotypes]</i> <input type="checkbox"/> <i>TSIRC: Franklin's Future (Melanie Grubisha)</i> <input type="checkbox"/> <i>TSIRC: Far from the Tree (Emily Olfson)</i>
Sleep Disorders	<input type="checkbox"/> FIDIKI: Seasonal Affective Disorder & Bright Light Therapy	<input type="checkbox"/> <i>Intern Year: the Game</i>
Somatic Symptom Disorders	<input type="checkbox"/> CNC: Functional Neurological Disorder <input type="checkbox"/> <i>BPCC: What's All the Hysteria About?</i>	<input type="checkbox"/> NitM: Foreign Accent
Substance Use Disorders	<input type="checkbox"/> TPP: Addiction <input type="checkbox"/> NLab: Reward <input type="checkbox"/> NitM: Heroin Vaccine <input type="checkbox"/> NitM: Effects of Marijuana <input type="checkbox"/> BPCC: Opioid Use Disorder <input type="checkbox"/> <i>NitM: Trip Treatment [psilocybin]</i> <input type="checkbox"/> <i>NitM: Social Media</i>	<input type="checkbox"/> <i>BPCC: Azalla to Anandamide: Cannabinoids</i> <input type="checkbox"/> <i>BPCC: As Hopes Have Flown Before [treatment for alcohol use disorder]</i> <input type="checkbox"/> <i>BPCC: Cannabinoids and Pain</i> <input type="checkbox"/> <i>TSIRC: Dude There's a Fly, [animal models]</i> <input type="checkbox"/> <i>TSIRC: Neural Surveillance</i> <input type="checkbox"/> <i>TSIRC: DoNut Pass Go (Alex Moxam)</i> <input type="checkbox"/> <i>Expert Video: Dopamine System (Nii Addy)</i>
Suicidality	<input type="checkbox"/> TN: Bipolar	<input type="checkbox"/> Video: ECT (Sarah Lisanby)
Trauma-Related Disorders	<input type="checkbox"/> CNC: PTSD <input type="checkbox"/> ICC: PTSD <input type="checkbox"/> CNC: Translational neuroscience and stress <input type="checkbox"/> NitM: Tetris for PTSD <input type="checkbox"/> BPCC: Predicting PTSD <input type="checkbox"/> Expert Video: Fear & PTSD (Kerry Ressler) <input type="checkbox"/> Expert Video: Trauma & Resiliency (Rachel Yehuda)	<input type="checkbox"/> <i>NitM: Emotions/Memory</i> <input type="checkbox"/> <i>FIDIKI: Fear Circuitry</i> <input type="checkbox"/> <i>BPCC: To Bend and Not Break</i> <input type="checkbox"/> <i>Expert Video: Intergenerational Trauma (Brian Dias)</i> <input type="checkbox"/> <i>Expert Video: Stress (Carlos Bolanos)</i> <input type="checkbox"/> <i>TSIRC: Feedback for Lisa (Maria Pico-Perez)</i> <input type="checkbox"/> <i>TSIRC: Hidden Scars (Remmelt Shur)</i>

Resources in Bold = highly recommended

Resources in Italics = briefer resource/relation to topic

BAR = Brief Accessible Review; BPCC = Biological Psychiatry Clinical Commentary; CNC = Clinical Neuroscience Conversations; FIDIKI = Find It Draw It Know It; ICC = Integrative Case Conference; NitM = Neuroscience in the Media; NLab = Neuroscience Lab; PCC = Progressive Case Conference; TN = Translational Neuroscience; TPP = Talking Pathways to Patients; TSIRC = This 'Stuff' Is Really Cool.

Description of NNCI Module Types

BAR = Brief Accessible Review

A brief overview of a specific topic (best for self-study)

BPCC = Biological Psychiatry Clinical Commentary

A 2-3 page journal commentary on interesting new research (good for generating discussion or self-study)

CNC = Clinical Neuroscience Conversations

A 20-30 minute session including discussions and video (designed to be used in clinical settings but can be done in the classroom or individually)

Expert Video

A 10-15 minute series of videos by an expert describing the state of their field (best used for self-study or to generate discussion)

FIDIKI = Find It, Draw It, Know It

A 5-15 minute session including video and drawing pathways/circuits (good for the classroom or as a pre-class assignment)

ICC = Integrative Case Conference

A 60-90 minute session designed to encourage incorporation of neuroscience into case formulations (best done in the classroom setting)

NitM = Neuroscience in the Media

A 45-60 minute session to get participants to think about media pieces critically and practice communicating findings to a lay audience (best done in the classroom setting)

NLab = Neuroscience Lab

A 45-60 minute hands-on session to capitalize on experiential, adult learning (best done in the classroom setting and may require minimal to significant prep time)

PCC = Progressive Case Conference

Approximately 60-minute session utilizing pre- and post- assessments, multimedia, small- and large-group discussion (best done in the classroom setting)

TN = Translational Neuroscience

A 60-90 minute session involving discussion, readings, and more discussion to get participants excited about potential new treatment options (best done in the classroom setting)

TPP = Talking Pathways to Patients

Approximately 60-minute session including video, drawing pathways, and role-playing discussing with patients (best done in the classroom setting)

TSIRC = This 'Stuff' Is Really Cool

An 8-10 minute video presentation of a single interesting concept (best for self-study or for generating discussion)