

BraiNY Bunch October 3rd, 2021

12:00 - 1:00pm EST.



Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia

Matthew M. Nour^{a,b,c,d,1}, Tarik Dahoun^{b,c,e}, Philipp Schwartenbeck^{d,f,g,h,j}, Rick A. Adams^{i,k}, Thomas H. B. FitzGerald^{d,f,l}, Christopher Coello^m, Matthew B. Wall^m, Raymond J. Dolan^{d,f}, and Oliver D. Howes^{a,b,c,1}

Meet the team!

Coordinator

Nicolas Murgueitio Meneses:

Nicolas is a PhD student at UNC Chapel Hill. "My research focuses on interactions between nutrition and adversity, and their impact on child development."



Mentor

David Pagliaccio:

"My work has focused on using MRI to understand neural mechanisms and risk factors for pediatric mental health, particularly depression and anxiety. Mental health is incredibly complicated, but I hope that by understanding the brain better, we may be able to help those who are struggling."



Student Presenters

Betsy-Jane Paul-Odionhin

"To me, the most fascinating part about the brain is how impactful it is. Our brains don't just affect us, they affect the people we interact with as well and sometimes these effects last for generations to come and that's pretty fascinating to me."



Haya Elamir:

"I have always had a fascination with biology, and the brain is the most mysterious part of it in my opinion. Being able to discuss it with other people and find out more through research papers is a great experience for me! I'm glad to be able to expand my love for neuroscience and find out more about this field."



BraiNY Bunch October 3rd, 2021

12:00 - 1:00pm EST.



Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia

Matthew M. Nour^{a,b,c,d,1}, Tarik Dahoun^{b,c,e}, Philipp Schwartenbeck^{d,f,g,h,j}, Rick A. Adams^{i,k}, Thomas H. B. FitzGerald^{d,f,l}, Christopher Coello^m, Matthew B. Wall^m, Raymond J. Dolan^{d,f}, and Oliver D. Howes^{a,b,c,1}

Swipe to meet the team!

**Coordinator:
Nicolas
Murgueitio
Meneses**



**Mentor:
David
Pagliaccio**



Student Presenters

**Student
Presenter:
Betsy-Jane
Paul-Odionhin**



**Student
Presenter:
Haya Elamir**



BraiNY Bunch October 3rd, 2021

12:00 - 1:00pm EST.



Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia

Matthew M. Nour^{a,b,c,d,1}, Tarik Dahoun^{b,c,e}, Philipp Schwartenbeck^{d,f,g,h,j}, Rick A. Adams^{i,k}, Thomas H. B. FitzGerald^{d,f,l}, Christopher Coello^m, Matthew B. Wall^m, Raymond J. Dolan^{d,f}, and Oliver D. Howes^{a,b,c,1}

Coordinator

Nicolas Murgueitio Meneses:

Nicolas is a PhD student at UNC Chapel Hill. “My research focuses on interactions between nutrition and adversity, and their impact on child development.”



BraiNY Bunch October 3rd, 2021

12:00 - 1:00pm EST.



Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia

Matthew M. Nour^{a,b,c,d,1}, Tarik Dahoun^{b,c,e}, Philipp Schwartenbeck^{d,f,g,h,j}, Rick A. Adams^{i,k}, Thomas H. B. FitzGerald^{d,f,l}, Christopher Coello^m, Matthew B. Wall^m, Raymond J. Dolan^{d,f}, and Oliver D. Howes^{a,b,c,1}

Mentor



David Pagliaccio:

"My work has focused on using MRI to understand neural mechanisms and risk factors for pediatric mental health, particularly depression and anxiety. Mental health is incredibly complicated, but I hope that by understanding the brain better, we may be able to help those who are struggling."

BraiNY Bunch October 3rd, 2021

12:00 - 1:00pm EST.



Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia

Matthew M. Nour^{a,b,c,d,1}, Tarik Dahoun^{b,c,e}, Philipp Schwartenbeck^{d,f,g,h,j}, Rick A. Adams^{i,k}, Thomas H. B. FitzGerald^{d,f,l}, Christopher Coello^m, Matthew B. Wall^m, Raymond J. Dolan^{d,f}, and Oliver D. Howes^{a,b,c,1}

Student Presenter

Betsy-Jane Paul-Odionhin

“To me, the most fascinating part about the brain is how impactful it is. Our brains don’t just affect us, they affect the people we interact with as well and sometimes these effects last for generations to come and that’s pretty fascinating to me.”



BraiNY Bunch October 3rd, 2021

12:00 - 1:00pm EST.



Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia

Matthew M. Nour^{a,b,c,d,1}, Tarik Dahoun^{b,c,e}, Philipp Schwartenbeck^{d,f,g,h,j}, Rick A. Adams^{i,k}, Thomas H. B. FitzGerald^{d,f,l}, Christopher Coello^m, Matthew B. Wall^m, Raymond J. Dolan^{d,f}, and Oliver D. Howes^{a,b,c,1}

Student Presenter



Haya Elamir:

“I have always had a fascination with biology, and the brain is the most mysterious part of it in my opinion. Being able to discuss it with other people and find out more through research papers is a great experience for me! I’m glad to be able to expand my love for neuroscience and find out more about this field.”