

Blogs, Mind-Mapping and Presentations 163 – Metabolics Translated

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Individual Student responsibilities:



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75%
of course
grade is
individual
work



COGS163 Grade Breakdown	
2 Presentations (individual work)	12.5% each
Class	10%
Mind Maps	20%
2 Medium Blogs	10% each
2 presentations (group)	12.5% each

Upload weekly Mind Maps:

Mind map submission link for W19:

<https://goo.gl/forms/E37fsoGPxEkwxt8h2>

You will need to sign in with your UCSD email address.

→ this link is also on Tntoned a!!

STUDENTS: PLEASE READ THIS PAPER FOR CLASS

THE LINK FOR THE PAPER IS HERE

the "focus" paper

Week 2 Presentations

Week 2 Papers

The role of insulin receptor signaling in the brain-2005.
Autonomic regulation of islet hormone secretion-implications for health and disease-2000.
Interactions between the central nervous system and pancreatic islet secretions: a historical perspective-2013.
Ch15-Insulin Resistance, Metabolic Syndrome, and Therapy
The Metabolic Syndrome - Endocrine Reviews 2008
A Comprehensive Review on Metabolic Syndrome - Kaur 2014.

Week 2 Topics

Tuesday: Boyle - Insulin

Ahern paper - introduction

Focus on: Autonomic regulation of islet hormone secretion ± Implications for health and disease

Thursday: Team Stressed but Well Dressed

Insulin Signaling Pathways

Focus on: The role of insulin receptor signaling in the brain

Team DOPEamine

Consequences of Glucose Disruption

Focus on: Insulin Resistance, Metabolic Syndrome, and Therapy

TEAMS WITH SHARED PRESENTATION DAYS - please coordinate content.

Week 4 Presentations

REQUIRED
FOCUS
PAPERS

Week 4 Papers

Neonatal overnutrition causes early alterations in the central response to peripheral ghrelin-2014

Ghrelin mediates stress-induced food-reward behavior in mice

Ch29-Ghrelin, Lipid Metabolism and Metabolic Syndrome.

Intracellular signalling pathways activated by leptin

A ghrelin-growth hormone axis drives stress-induced vulnerability to enhanced fear-2014

Week 4 Topics

Tuesday: Team A Little Bit of Leptin - Topic: Ghrelin & Circuit Formation

Colliden et al paper - research article

Focus on: Neonatal overnutrition causes early alterations in the central response to peripheral ghrelin.

Thursday: Team Peptide Pods - Topic: Ghrelin and Anxiety

Chuang et al paper - research article

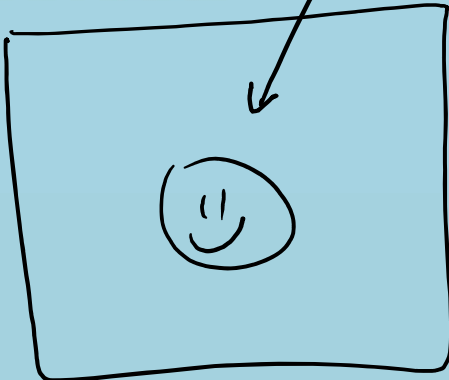
Focus on: Ghrelin mediates stress-induced food-reward behavior in mice.

ADDITIONAL
READING PAPERS

These papers are for the presenting groups to provide background and additional insights.

THIS IS WHERE THE TEAM PRESENTATIONS WILL BE POSTED 😊

Week 4 Presentations



Week 4 Papers

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Ghrelin mediates stress-induced food-reward behavior in mice

Ch29-Ghrelin, Lipid Metabolism and Metabolic Syndrome.

Intracellular signalling pathways activated by leptin

A ghrelin-growth hormone axis drives stress-induced vulnerability to enhanced fear-2014

Week 4 Topics

Tuesday: Team A Little Bit of Leptin - Topic: Ghrelin & Circuit Formation

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Chuang et al paper - research article

Focus on: Ghrelin mediates stress-induced food-reward behavior in mice.

Please send me a link or a pdf file of presentation BEFORE - so that I may post it for the class. 😊

*Lucky
you!*

Your IA/TAs for this class are:
Samantha and Zoe

Each group will have one of the IA/TAs as their mentor and will meet with them weekly to assist the group with their presentation and any questions regarding the material. Weekly meetings are included in the participation grade for the class.

*part of
participation
grade*

look!

Section is required.

Office hours and contact information for everyone will be posted on TritonED.