

BMB 518/CAMB 615/NGG Class Syllabus Fall 2015

Room 253 BRB II/III

<u>Date</u>	<u>Session</u>	<u>Lecturer</u>	<u>Presenter</u>	<u>Discussant</u>
09/3/15	Introduction: Course structure and administration Protein folding and misfolding in the cell	Argon + Ischiropoulos Argon		
09/10/15	Protein folding and misfolding in the cell (continued) Pre-Read and Discussion of Maggioni et al., 2005	Argon	class	class
09/17/15	Naturally unfolded proteins and domains Pre-Read: Bah et al., Nature 2015 Discussion of: Min et al, Neuron 2010	Rhoades		
09/24/15	Improving protein disaggregases Pre-read: Jackrel and Shorter, Prion, 2015 Jackrel et al., Cell 2014 Discussion of: Nillegoda et al., Nature 2015	Shorter		
10/01/15	Prion Diseases Pre-read: Review Discussion of:	Kalb		
10/08/15	Mouse models for PD/AD Per-read: Discussion of:	Luk		
10/15/15	Cystic Fibrosis Pre-read: Discussion of:	Rubenstein		
10/22/15	Huntington disease Pre-read: Discussion of:	Gidalevitz		
10/29/15	Two Student presentations: Transmission of aggregates			
11/05/15	ALS	Lee		
11/12/15	Autophagy in neurodegenerative diseases	Holzbaur		
11/19/15	Two Student presentations: Conformation of misfolded proteins 1. Editorial about aggregation 2. SOD mutant conformation Bosco et al., 2011 3. Prion conformations Toyama et al., 2007			
11/26/15	NO CLASS			
12/03/15	Two Student presentations: Disposal of mutant proteins 1. Autophagy Martinez-Vicente 2010 2. Enhanced proteolysis Lee et al., 2010			
12/10/15	Two Student presentations: Interacting systems 1. Insulin/IGF signaling and clearance: De Felice PNAS 2009			

2. Proteomics of the amyloids, Goldschmidt et al., PNAS 2010

1. Synuclein spreading Desplats et al. 2009
2. Tau spreading Tolnay et al. 2009

Two Student presentations: Consequences of aggregation

1. Sequestration of cellular proteins: Olzscha 2011
2. Modifier of aggregation: van Hamm 2010

According to Ruth we have 4 students registered

NGG and CAMB students register before semester starts so we will have late entries

1 MARCH, ZACHARY MCDOWELL BMP G BMB XXX-XX-7315 ENROLLED W/ PERMIT

2 MCCracken, DANIEL SCOTT BMP G BMB XXX-XX-0624 ENROLLED W/ PERMIT

3 WEITZMAN, RACHEL E COL SR BCHE XXX-XX-1920 ENROLLED W/ PERMIT

4 CALLES, JONATHAN E --COL SR BCHE XXX-XX-4994 ENROLLED W/ PERMIT

BMB 518 papers

PMID: 26170293

PMID: 26061766

PMID: 26047735

PMID: 26056300

PMID: 25999370

PMID: 25939025

PMID: 25922234

PMID: 25891073

PMID: 25880443

PMID: 25861763

PMID: 25857579

PMID: 25848045

PMID: 25833397