



Workshop on Stereotaxic Surgery in the Laboratory Mouse

July 31st - Aug 2nd, 2018

Tuesday, July 31st, 2018

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| 7:30-7:45 | Complimentary shuttle service to JAX from the Quality Inn, the Quimby House Inn & Spa, and the Atlantic Oceanside |
| 7:45-8:30 | Breakfast at JAX provided |
| 8:30-8:45 | Welcome & Introductions, GRB Training Laboratory |
| 8:45-9:45 | Introduction to stereotaxic instruments and the different options available motorized, digital, ultraprecise, different bases, arms and accessories (warmers, drills, lights, injectors), GRB 3245
Richard Mills, Stoelting |
| 9:45-10:45 | Survival Surgery Standards
Bonnie Lyons, D.V.M., The Jackson Laboratory |
| 10:45-11:45 | Biomethods |
| 11:45-12:45 | Lunch at JAX provided |
| 12:45-2:00 | Hands-on orientation of your stereotaxic device and accessories (reading a Vernier scale, reading a brain atlas and surgical accessories)
Richard Mills, Stoelting |
| 2:00-5:00 | Fundamentals of positioning animals and intracranial injection
(defining bregma, drilling and microinjections) (demo and hands-on) |
| 4:45-5:00 | Clean-up |

TBA Transportation to Dinner (**Sponsored by Stoelting**)

Wednesday, August 1st, 2018

7:30-7:45	Complimentary shuttle service to JAX from the Quality Inn, the Quimby House Inn & Spa, and the Atlantic Oceanside
7:45-8:30	Breakfast at JAX provided
8:30-12:00	Hands-on ICVC – Brain cannulation in lateral ventricle hands-on training (cannula types and use, securing cannulas and wound closure)
12:00-1:00	Lunch at JAX provided
1:00-4:00	Bi-lateral brain cannulation
4:00-4:30	Clean-up & certificates
4:30	Complimentary shuttle service from JAX to the Quality Inn, the Quimby House Inn & Spa, and the Atlantic Oceanside (Dinner not provided)

Thursday, August 2nd, 2018

7:30-7:45	Complimentary shuttle service to JAX from the Quality Inn, the Quimby House Inn & Spa, and the Atlantic Oceanside
7:45-8:30	Breakfast at JAX provided
8:30-9:30	<i>In vivo</i> optical stimulation for neuroscience research techniques and applications (lecture)
9:30-12:00	Optogenetics fiberoptic implantable cannula (hands-on)
12:00-1:00	Lunch at JAX provided
1:00-3:00	CSF (Cerebral Spinal Fluid) Collection
3:00-4:00	Practice (if time permits)
4:00-4:30	Clean-up & certificates

4:30

Complimentary shuttle service from JAX to the Quality Inn, the Quimby House Inn & Spa, and the Atlantic Oceanside
(Dinner not provided)