

TESP 2019-BMEC

Tohoku University Engineering Summer Program in 2019

Daily Schedule

Week 1

	July 28 (Sun)	July 29th (Mon)	July 30th (Tue)	July 31st (Wed)	August1st (Thu)	August 2nd (Fri)	August 3rd (Sat)	
8:50	Arrival Hotel Check-In (15:00-)		[407] Metalic Bio-Materials	[407] Bio-Materials for Tissue Engineering and Regenerative Medicine	[407] Synthesis of Polymers and Peptides for Controlling Cell Adhesion onto a Material Surface	【BMEC/SMEC】 Tour to Japanese Swordsmith Studio near Mt. Zao and Kakuda Space Center of JAXA	TESP Field Trip	
		9:30 【CH-2F】 Opening Ceremony						
10:30		Orientation & Self-Introduction	Hands-on: Lab Tour	[407] Additive Manufacturing for Bio- Materials Applications	[407] Molecular Design of Peptides for Controlling Cell Adhesion onto a Material Surface			
11:10								
11:20		Orientation of Hands-On						
12:00 13:00		【CH-1F "DOCK"】 Welcome Lunch	Lunch					
13:00 13:40			[AMH] Japanese Culture Program-1	[AMH] Japanese Culture Program-1	[407] Analyses of Proteins and Peptides			
13:50			[IEED] Japenese Hour	[IEED] Japenese Hour	Hands-On: Peptide Synthesis			
14:30		[407] Anti-Biofouling Surfaces in Bio- Materials	* Open Campus	* Open Campus				
14:40		[407] Polymeric Bio-Materials for Drug Delivery Systems			Hands-On: Peptide Synthesis			
16:10								
			Ceremony TESP Activity	Lecture & Laboratory	: BMEC Activity			

Week 2

	August 4 (Sun)	August 5th (Mon)	August 6th (Tue)	August 7th (Wed)	August 8th (Thu)	August 9th (Fri)	August 10th (Sat)	
8:50		<p>[SMEC/BMEC]</p> <p>Tour to a Metal Recycling Company in Akita Prefecture</p>	<p>[SMEC/BMEC]</p> <p>Tour to a Nanbu-Steel Casting Workshop, and Hiraizumi, a World Heritage Site, in a Iwate Prefecture</p>	Hands-On: Peptide Synthesis	Hands-On: Cell Adhesion onto Peptide-Immobilized Surfaces	<p>Group Presentation & Final Discussion</p>	<p>Hotel Check-Out (-11:00)</p>	
10:30				<p>[IMRAM]</p> <p>Hands-On: Peptide Analysis</p>	Hands-On: Cell Adhesion onto Peptide-Immobilized Surfaces			
12:00 13:00				Lunch				
13:00					<p>Hands-On: Peptide Immobilization onto a Material Surface</p>	<p>[307]</p> <p>Peptides and Polymers for Tissue and Stem Cells Culture Prof. Masaya Yamamoto</p>		<p>13:00-16:30 [CH-2F]</p> <p>Final Presentation</p>
14:40 16:10					<p>[FRIS]</p> <p>Hands-On: Surface Analyses for Peptide-Immobilized Surfaces</p>	<p>Group Discussion & Report Preparation</p>		
16:20 17:50					<p>Hands-On: Cell Adhesion onto Peptide-Immobilized Surfaces</p>			
				<p>Stay at a Hotel in Hachimantai Resort Area</p>				