Programme – Aarhus Summer University course in Music Neuroscience 2025 (upd. 250425)				
				Location
	Wednesday 2 July			Center for Music in the Brain
09.00 - 10.00	Welcome and presentation of participants			Building 1710, Thalamus
10.00 - 10.15	Break			
10.15 - 11.00	Course introduction			Building 1710, Thalamus
11.00 - 11.15	Break			
11.15 - 12.00	Elvira Brattico "Basic concepts in music neuroscience"			Building 1710, Thalamus
12.00 - 12.15	Break			
12.15 - 13.00	Bjørn Petersen “Basic concepts in music theory"			Building 1710, Thalamus
13.00-15.00	Lunch option & networking			Canteen
	Thursday 3 July			Center for Music in the Brain
09.00 - 09.45	Peter Keller “Rhythm & interpersonal coordination: Basic mechanisms”			Building 1710, Thalamus
09.45 - 10.00	Break			
10.00 - 10.45	Peter Keller “Rhythm & interpersonal coordination: Social & clinical applications”			Building 1710, Thalamus
10.45 - 11.15	Break			
11.15 - 13.00	Tutorial: Modelling			Victor Albeck Building (VAB) Building 1266, room 122
	Friday 4 July			Center for Music in the Brain
09.00 - 09.45	Cecilie Møller: “How to measure beat perception in rhythms?”			Building 1710, Thalamus
09.45 - 10.00	Break			
10.00 - 10.45	Tomas Matthews: “Why do we like (to move to) some rhythms and not others?”			Building 1710, Thalamus
10.45 - 11.15	Break			
11.15 - 13.00	11.15 - 12.00: Jan Stupacher: “Analyzing how well you keep the beat while moving to music” 12:15 – 13.00: Jan Stupacher: “Exploring music features from audio signals”			Victor Albeck Building (VAB) Building 1266, room 122
	Monday 7 July, Visit to Lab facilities			Aarhus University Hospital, Entrance J, meeting point
09.00 - 13.00 (with breaks)	Group 1	Group 2	Group 3	Victor Pando, Pelle De Deckere, Boris Kleber, Massimo Lumaca, Sander Celma Miralles, Leonardo Bonetti, Teresa Queiroga, Paul Maublanc, Cecilie Møller
	(f)MRI	MEG: "Exploring the Elekta Neuromag MEG Lab"	EEG: 1) Intro to EEG: history, signal, paradigms, and applications; 2) EEG demo-recording; 3) Introduction to preprocessing: filtering, electrode interpolating, triggers and epoching.	
13.00-15.00	Lunch option & networking			Canteen Nord (4th floor)
	Tuesday 8 July, Visit to Lab facilities			Aarhus University Hospital, Entrance J, meeting point
09.00 - 13.00 (with breaks)	Group 1	Group 2	Group 3	Victor Pando, Pelle De Deckere, Boris Kleber,

	MEG "Exploring the Elekta Neuromag MEG Lab"	EEG: 1) Intro to EEG: history, signal, paradigms, and applications; 2) EEG demo-recording; 3) Introduction to preprocessing: filtering, electrode interpolating, triggers and epoching.	(f)MRI	Massimo Lumaca, Sander Celma Miralles, Leonardo Bonetti, Teresa Queiroga, Paul Maublanc, Cecilie Møller
13.00-15.00	Lunch option & networking			Canteen Nord (4th floor)
	Wednesday 9 July, Visit to Lab facilities			Aarhus University Hospital, Entrance J, meeting point
09.00 - 13.00 (with breaks)	Group 1	Group 2	Group 3	Victor Pando, Pelle De Deckere, Boris Kleber, Massimo Lumaca, Sander Celma Miralles, Leonardo Bonetti, Teresa Queiroga, Paul Maublanc, Cecilie Møller
	EEG: 1) Intro to EEG: history, signal, paradigms, and applications; 2) EEG demo-recording; 3) Introduction to preprocessing: filtering, electrode interpolating, triggers and epoching.	(f)MRI	MEG "Exploring the Elekta Neuromag MEG Lab"	
13.00-15.00	Lunch option & networking			Canteen Nord (4th floor)
	Thursday 10 July			Center for Music in the Brain
09.00 - 09.45	Boris Kleber “Singing in the brain”			Building 1710, Thalamus
09.45 - 10.00	Break			
10.00 - 10.45	Massimo Lumaca: “How the human brain creates rhythmic structure in music transmission: From neurophysiology to brain imaging”			Building 1710, Thalamus
10.45 - 11.15	Break			
11.15 - 13.00	Hands-on fMRI; Boris Kleber, Victor Pando Naude, Pelle De Deckere, Paul Maublanc, Massimo Lumaca			Victor Albeck Building (VAB) Building 1266, room 122
	Friday 11 July			Center for Music in the Brain
09.00 - 09.45	Sonja Kotz (Maastricht University) “Comparative and translational perspectives of time and rhythm processing in perception and cognition”			Building 1710, Thalamus
09.45 - 10.00	Break			
10.00 - 10.45	Sonja Kotz (Maastricht University) “Time and rhythm in music, speech and language”			Building 1710, Thalamus
10.45 - 11.15	Break			
11.15 - 13.00	Teamwork (based on morning’s talk)			Victor Albeck Building (VAB) Building 1266, room 122
	Monday 14 July			Center for Music in the Brain
09.00 - 09.45	Kira Vibe Jespersen (with Silvia Genovese) “Clinical Applications of Music”			Building 1710, Thalamus
09.45 - 10.00	Break			
10.00 - 10.45	Anna Zamorano “Clinical Applications of Music”			Building 1710, Thalamus
10.45 - 11.15	Break			

11.15 - 13.00	Hands-on: “Clinical Applications of Music”; Kira Vibe Jespersen, Anna Zamorano & Silvia Genovese	Victor Albeck Building (VAB) Building 1266, room 122
	Tuesday 15 July	Center for Music in the Brain
09.00 - 09.45	Simone Dalla Bella (University of Montreal) "Rhythm perception and performance: Individual differences and clinical interventions”	Building 1710, Thalamus
09.45 - 10.00	Break	
10.00 - 10.45	Simone Dalla Bella (University of Montreal) "Rhythm perception and performance: Individual differences and clinical interventions”	Building 1710, Thalamus
10.45 - 11.15	Break	
11.15 - 13.00	Teamwork (based on morning’s talk)	Victor Albeck Building (VAB) Building 1266, room 122
	Wednesday 16 July	Center for Music in the Brain
09.00 - 09.45	Sander Celma-Miralles, Mattia Rosso “Composing and decomposing EEG signals to understand electrophysiology.”	Building 1710, Thalamus
09.45 - 10.00	Break	
10.00 - 10.45	Sander Celma-Miralles, Mattia Rosso: 1) Composing and decomposing EEG signals to understand electrophysiology; 2) Frequency-tagging the musical beat; 3) Event-related potentials and mismatch responses to the beat of rhythms.	Building 1710, Thalamus
10.45 - 11.15	Break	
11.15 - 13.00	Hands-on: EEG: Sander Celma-Miralles, Mattia Rosso: 1) Composing and decomposing EEG signals to understand electrophysiology; 2) Frequency-tagging the musical beat; 3) Event-related potentials and mismatch responses to the beat of rhythms.	Victor Albeck Building (VAB) Building 1266, room 122
	Thursday 17 July	Center for Music in the Brain
09.00 - 09.45	Leonardo Bonetti, Teresa Queiroga: “Network Estimation via Source Separation: A novel framework to investigate brain networks in MEG”	Building 1710, Thalamus
09.45 - 10.00	Break	
10.00 - 10.45	Leonardo Bonetti, Teresa Queiroga: “Network Estimation via Source Separation: A novel framework to investigate brain networks in MEG”	Building 1710, Thalamus
10.45 - 11.15	Break	
11.15 - 13.00	Hands-on: MEG: Leonardo Bonetti, Teresa Queiroga: “Network Estimation via Source Separation: A novel framework to investigate brain networks in MEG”	Victor Albeck Building (VAB) Building 1266, room 122
DEADLINE	Submitting assignments	Online
	Friday 18 July	Victor Albeck Building (VAB)
09.00 - 11.15	Oral presentations based on assignments Chairs: Bjørn Petersen, Peter Keller	Building 1268, room 218
11.15 - 11.30	Break	

11.30 - 12.00	Evaluation of course	Building 1268, room 218
12.00 - 12.15	Break	
12.15 - 13.00	Closing session Chairs: Bjørn Petersen, Peter Keller	Building 1268, room 218
13.00 - 15.00	Lunch	
15.00 - 18.00	Networking (Friday Bar)	Pavillon, MIB