

SMM CSIA WORKSHOP, WTCC Halifax, Nova Scotia
Saturday, October 28, 08h30-17h30, Room 204

Time	Length of talk	Speaker	TALKS
8:30:00	15	Cory Matthews	WELCOME/INTRODUCTIONS
8:45:00			AA-CSIA $\delta^{15}\text{N}$: baselines and trophic ecology
8:45:00	35	Cory Matthews	Basic overview of CSIA with a focus on amino acids and $\delta^{15}\text{N}$ (theory, development, and applications [trophic, baseline, physiology, etc], not limited to marine mammals)
9:20:00	20	Emma Elliott-Smith	Measuring individual amino acids: chemical methodologies and analytical challenges
9:40:00	20	Lorrie Rea	Enhancing the interpretation of bulk (C and N) isotope oscillations in whisker samples from Steller sea lions using compound specific nitrogen isotope analyses of amino acids
10:00:00	20		BREAK
10:20:00	20	Luis Huckstadt	Investigating trophic overlap among Antarctic seals using AA-CSIA
10:40:00	30	Cory Matthews	Updates of ongoing beluga studies (individual diet vs spatial variation; long-term diet vs baseline shifts; comparison of AA SI values among three different tissues/impacts on trophic index estimation; controlled feeding study to determine TEF/TDF).
11:10:00	20	Sam Rossman	Uncertain CSIA trophic enrichment factors for marine top predators: Insights from a controlled feeding trial
11:30:00	30		Questions/Discussion points to re-visit at end of the day
12:00:00	90		LUNCH
13:30:00			AA-CSIA $\delta^{13}\text{C}$: fingerprinting and physiology
13:30:00	30	Emma Elliott-Smith	Basic overview of CSIA with a focus on amino acids and $\delta^{13}\text{C}$ (theory, development, and applications [e.g., amino acid 'fingerprinting' of production sources])
14:00:00	20	Emma Elliott-Smith	Using AA $\delta^{13}\text{C}$ to trace importance of kelp forest ecosystems to ancient sea otters
14:20:00	20	John Whiteman/ Emma Elliott-Smith	Using AA $\delta^{13}\text{C}$ to study polar bear physiology during fasting
14:40:00	20		Questions/Discussion
15:00:00	20		BREAK
15:20:00			FA-CSIA:
15:20:00	30	Lara Horstmann	Fat gives things flavor - an Arctic view of FA in marine mammals
15:50:00	10	Lisa Loseto/Cory Matthews	Beluga FA data – $\delta^{13}\text{C}$ relationships with body length
16:20:00	20	Suzanne Budge	Addressing instrumental limitations and fractionation of fatty acids during assimilation
16:40:00	50		Open mic/Panel discussion
17:30:00			END OF WORKSHOP