NASPSPA Motor Learning & Control Online Research Seminar Series

The seminar series supports the Society's mission to advance scientific study, improve research quality and facilitate research information dissemination in the area of motor learning and control.

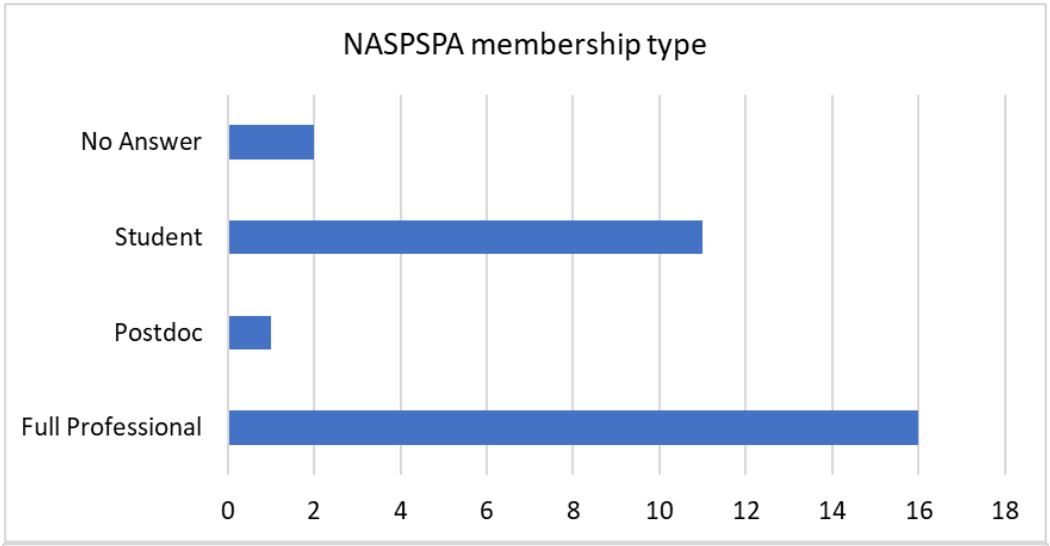
Results of the MLC Research Topics Suggestion Survey

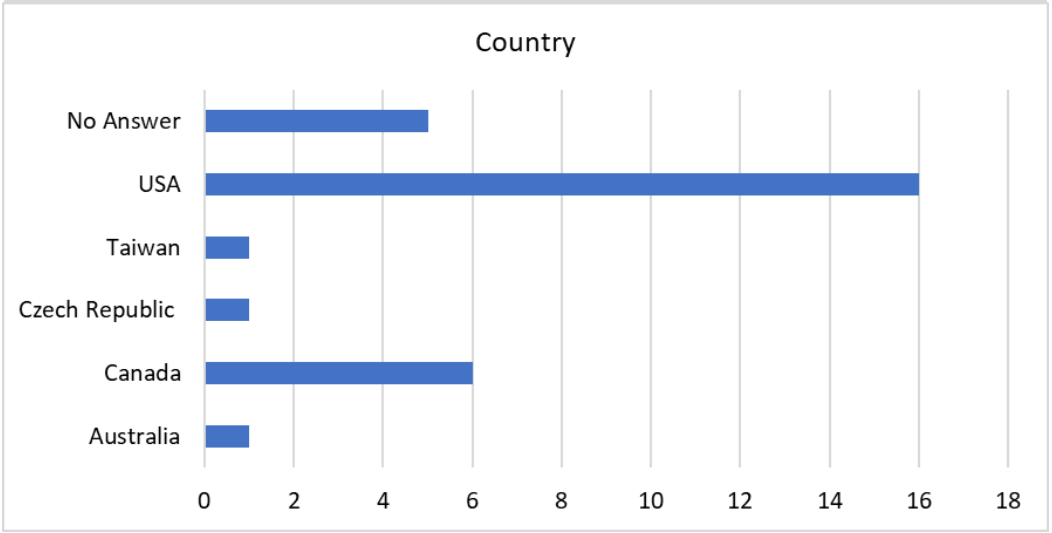
Aim In September-October, 2020, the Organizing Committee for the MLC Seminar Series invited all NASPSPA members to complete the MLC Research Topics Suggestion Survey. This document summarizes the results from that survey.

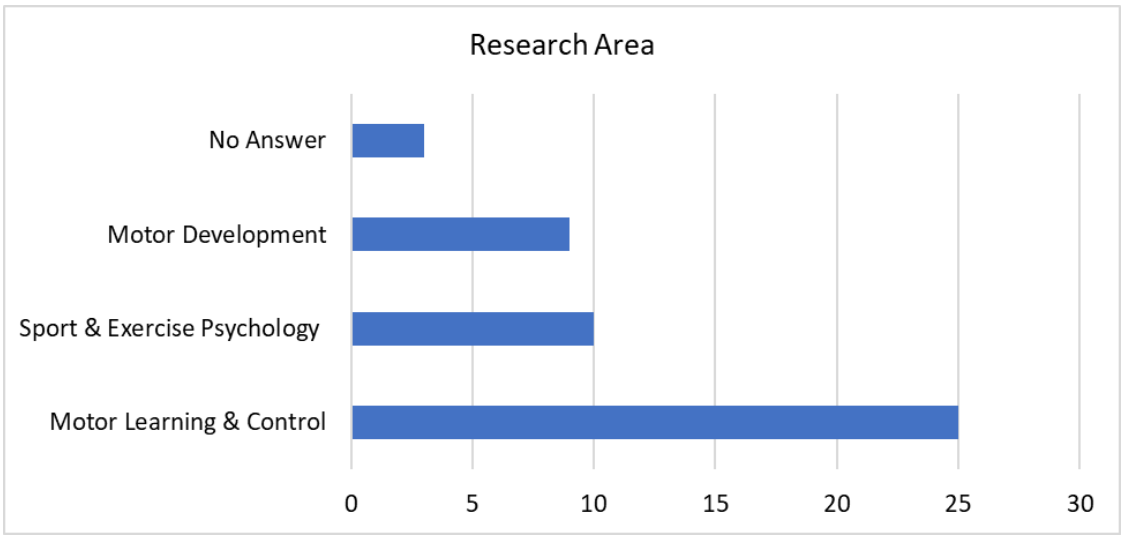
Response Rate

Total Survey Responses	Full Survey Completion	Partial Survey Completion
30	20	10

Responder Profile





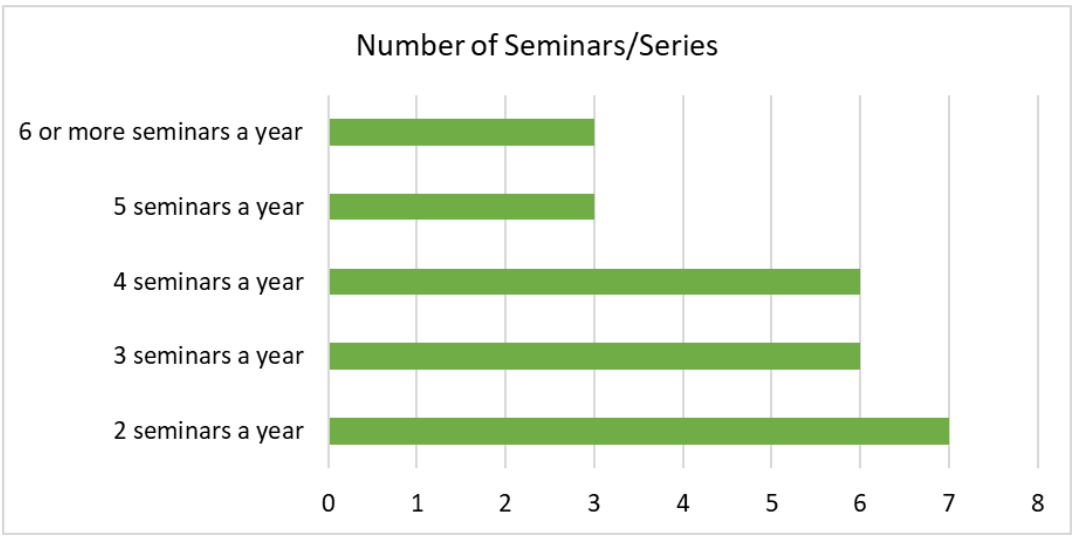


Note: More than one response was possible (multiple research areas)

Seminar Series Preferences

Number of Seminars per Series

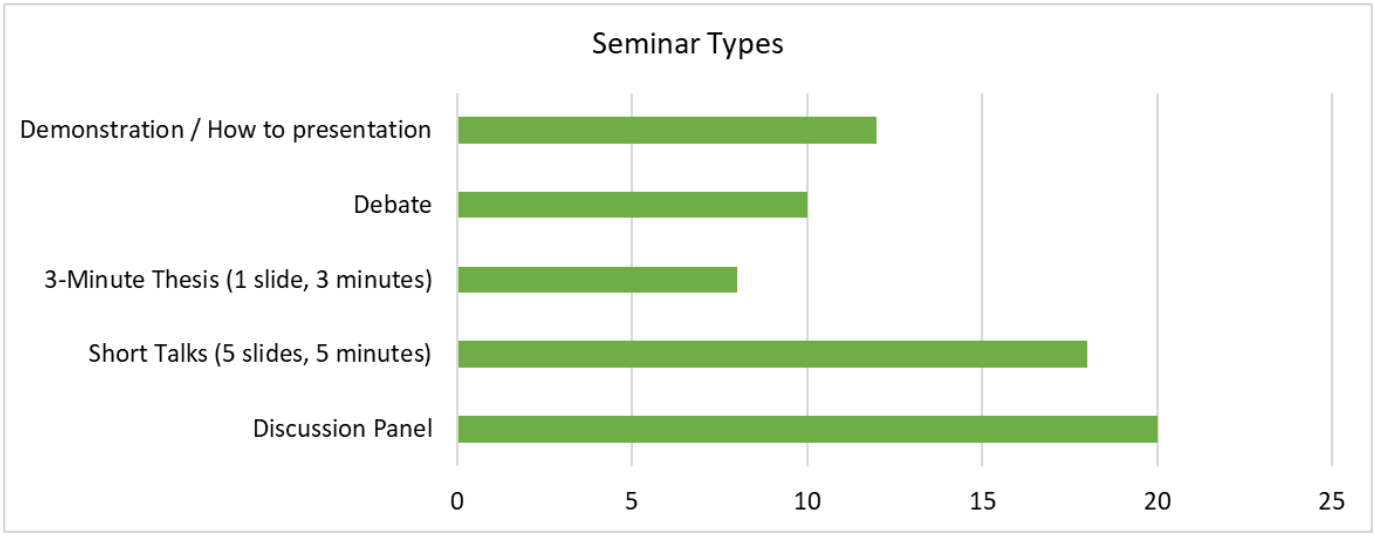
Overall Responses



Responses by Research Area and Membership Type

	Motor Learning & Control			Motor Learning & Control / Sport & Exercise Psychology			Motor Learning & Control / Motor Development		
Number of Seminars/Series	Full Professional	Postdoc	Student	Full Professional	Postdoc	Student	Full Professional	Postdoc	Student
2 seminars a year	2		1	3			1		
3 seminars	2						2		1
4 Seminars	2		1	2			2		
5 seminars a year				1					1
6 or more seminars a year						1	1	1	

Types of Seminars



Additional Written Comments

A virtual warm-up conference during winter break or spring break that allows researchers to briefly talk about their current research and potential presentations in the face-to-face conference in summer would be great, which could also serve to replace the submission of abstract for the summer conference.

Given the miserable circumstances we are all living with, this is a great idea to keep us all connected. Best mike wade

Seminar Topics

Word Cloud from Suggestions (minimum word frequency = 2)

Written Suggestions (50)

Brain dynamics of motor learning

attentional focus, motor control and learning

Motor development and cognition

Multiple regression

Motor Coordination and Perceptual System

Using mobile apps in remote research. . . validity, reliability and how can I monitor and collect data from a remote site using apps.

Exploring valid studies that explore a dynamical systems approach to motor learning

Emergence of VR in motor learning

Motor learning in highly skilled athletes; e.g. does motor development/progression differ in familiar (practiced) and unfamiliar (unpracticed) skills

Clearer definition and procedures for so called "good" and "bad" variablity Stochastic v deterministic

Motor control characteristics of professional and novice gamers; is a "combine" for professional video game players to assess motor control beneficial for identifying top recruits?

The future of motor behavior research in a remote environment

Gaps in the literature needing to be addressed

The Use and Misuse of Motor Learning Definitions: Behavioural and Neurophysiological Evidence (Various groups of researchers have published reviews and articles employing the term motor learning... and many did not even employ a retention test. Having NASPSPA take a stance on definitions of the key terms that define the scholarly organization could provide helpful guidance to researchers and the public).

Intersection sensory receptivity and stress/mental health

Power analysis (how to/demonstration with common examples)

Focusing on Behavior Versus Neurophysiological

Integration of dynamical systems with neurocognitive perspectives

Mental stress and motor performance

motivation, motor control and learning

Early development - motor and physical activity

Learning and Control of Ballistic Motor Skills (e.g. Throwing, Kicking, Striking)

Using data collected by subjects themselves using mobile apps -- for research and clinical purposes

Exploring self-control protocols. Questioning the ecological validity of 'yoked' groups

Anything related to practice manipulation

Effects of auditory input for motor control/learning

Next "Big Ideas" in motor control research - directions for future research: where are we going?

The effects of racial, gender, and social bias on the generalizability of motor behavior research

The future of motor control/learning research practices

Motor control and learning for musicians

Effective strategies for mentoring undergraduate research

Individualized Practice: Individual Predictors in Practice Scheduling and Organisation

Conducting applied research in practical, meaningful, and productive ways

Brain dynamics and expertise

Intervention research - infants

Current and Future Research on "Attention and Performance"

Finding ways to integrate research into applied settings (sport, rehabilitation, physical education, etc.)

Theoretical frameworks in motor control and learning

Effects of music on motor control/learning --- music cognition

open science practices

Methods for researching haptic sensitivity, gating and enhancement

Conducting a systematic review

Cognitive Control States

How to study and quantify "Imagery" for Motor Learning?

Handedness in motor performance

careers in motor control and learning outside of academia

Managing large data sets

Emerging Analytical Approaches for Motor Learning and Control

Application of MATLAB or R to Human Behavior Research

How to publish exploratory or preliminary study with small sample size?

Presenter Suggestions (possible topic)

2 mentions

- Diane St. Marie
- Keith Lohse
- Rob Gray (Ecological Approach to Sport Coaching)
- Suzete Chiviacowsky

1 mention

- Al Salmoni
- Charles Spence, Oxford University
- Christopher Aiken
- Christopher Janelle
- Frank Colino, University of Victoria
- Gabriele Wulf
- Georgiana Juravle, INSERM Lyon, France
- Jared Porter
- Jeff Fairbrother
- Kevin Becker, Texas Women's University (Holistic Attentional Focus)
- Matt Miller
- Michael Carter
- R. van Emmerik, UMASS
- Richard Magill
- Rodolphe Gentili, Maryland
- Tim Lee
- William Land