



## CME Session 12

AI Committee

Sunday, October 18, 16:45–18:15

### Session Title

**Large Language Models in Nuclear Medicine**

### Chairpersons

**Lena Kaiser** (Munich, Germany)

**Laszlo Papp** (Vienna, Austria)

### Programme

16:45–17:05 **Christian Hinge** (Copenhagen, Denmark): Principles of LLMs

17:05–17:30 **Pia Koller** (Bern, Switzerland): Enhancing Nuclear Medicine Education with LLMs for Clinicians and Patients

17:30–17:55 **Mohammad Kassar** (Basel, Switzerland): LLMs for Report Generation in Nuclear Medicine

17:55–18:15 **Wolfgang Roll** (Münster, Germany): Large Language Models across the Research Workflow

### Educational Objectives

1. To understand basic principles of LLMs.
2. To get a clear overview about capabilities of LLMs regarding education and reporting.
3. To get insights into best practices in scientific writing with the help of LLMs.

### Summary

The session aims to provide insights into the basic principles of LLMs, followed by LLM capability examples for education and reporting. Finally, best practices regarding how to utilise LLMs for scientific writing will be presented.

### Key Words

Large Language Models (LLM), Artificial Intelligence, Nuclear Medicine