

## **WS 9: Are you AI Curious? Come Chat(GPT) with Us!**

Audience Knowledge: Basic

### **Workshop Chairs**

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### **Abstract**

Artificial intelligence (AI) is transforming scientific work by accelerating information synthesis, communication, and analysis, but many professionals remain uncertain about how to use these technologies safely and effectively. This 3.5-hour interactive workshop introduces toxicologists to the fundamentals of AI and practical strategies for applying it in both personal and professional settings. Designed for participants with no prior technical background, the session focuses on the responsible, efficient, and ethical use of AI tools to support day-to-day work rather than model development or computer science.

The workshop begins with a concise overview of AI's evolution, from early expert systems to modern large language models, emphasizing how current tools generate text, summarize information, and assist with analysis. Participants will then use their laptops to collectively explore accessible AI platforms such as generative chatbots and image tools, learning their core capabilities, common pitfalls, and limitations. Through live demonstrations and guided practice, attendees will develop foundational prompting techniques such as how to phrase requests clearly, refine outputs, and integrate AI-generated material into their own writing, presentations, and workflows. Attendees will participate in exercises demonstrating how AI can streamline routine professional tasks

such as drafting abstracts, building outlines, creating CE objectives, and generating cleaner prose while maintaining accuracy and professional tone.

A major focus of the session is responsible and ethical use. Participants will review best practices for data security, privacy, and the management of potentially sensitive or proprietary information. The discussion will also highlight relevant professional guidance, including ASCLD principles on AI use in forensic contexts, which emphasize transparency, documentation, and human accountability. These guidelines will be generalized for toxicology settings, reinforcing the overarching theme that AI is a supportive instrument rather than a source of expert opinion and should always operate under professional oversight.

The workshop includes strategies for vetting AI-generated content, verifying accuracy and citations, and recognizing hallmarks of fabricated or stylistically inconsistent text. Participants will leave with a simple, evidence-informed checklist for using AI safely and effectively, along with a clearer understanding of where AI can legitimately assist their scientific communication and time management. Overall, this session aims to empower toxicologists to harness AI as a productivity ally while maintaining the rigor, ethics, and critical thinking that define reliable scientific practice.

## **Speakers**

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### Workshop Agenda

Time	Topic	Speaker
08:00 AM - 08:10 AM	Welcome and Introduction	Spargo
08:10 AM - 08:25 AM	Background on AI	Barbo
08:25 AM - 10:00 AM	Using AI Tools Effectively	Casey
10:00 AM - 10:30 AM	Break	N/A
10:30 AM - 11:00 AM	Responsible Use of AI	Jones
11:00 AM - 12:00 PM	Professional Use Cases for Toxicologists	Spargo and Casey