

General Information:	
Date	3.-7.6.2024 03 - 07 June 2024 (Monday till Friday)
Teaching units	10 x 90 min
Location	Vincente Coast Natural Park / Portugal
Price	850-990 €, depending on accommodation
Minimum Number of Participants	15
Accommodation	all inclusive, social event extra (70 €)
Your trainer	PD Dr. Daniel Mertens



## Course Description

AI-based tools **revolutionize scientific writing** and enable researchers to work more efficiently and effectively. However, it is important for researchers to use these tools judiciously and with an understanding of their limitations. Although the range of tools is currently expanding exponentially, at the current stage we will discuss and use the following tools:

- extracting key claims, summarizing, brainstorming ideas** and finding sources, (<https://www.perplexity.ai/>),
- enhanced literature review**, connectivity of papers, interactive summaries of key information (<https://elicit.org/>, <https://www.explainpaper.com>, <https://app.litmaps.com/> and <https://www.researchrabbit.ai/>)
- texting** (<https://www.deepl.com/write>, <https://chat.openai.com/chat>)
  - optimizing text
  - generating scientific text de novo, e.g. paragraphs, titles, whole cover letters
  - generating text for social media, e.g. tweets, LinkedIn posts etc.
- brainstorming of experimental planning and strategic planning** (<https://chat.openai.com/chat>). We will discuss how to use AI to brainstorm which
  - scientific questions are relevant
  - scientific experiments can be used to address a specific question

Further information

Phone: +49 173 665 94 26

Mail: [jan.schmidt@eiapd.eu](mailto:jan.schmidt@eiapd.eu)

web: [www.eiapd.eu](http://www.eiapd.eu)

- controls can be used in an experimental setup.

Throughout the interaction we will use questions / material / text / ideas from participants. Content / suggestions and questions from the participants will be implemented live online as input into the AI tools. These **case studies and live exercises** will help participants to apply the concepts and tools to their own scientific research. - Because AI-tools will take your science to the next level.

<p><b>Objectives of the mobility</b></p>	<ul style="list-style-type: none"> <li>• Identify your scientific message and tell a fundable scientific story.</li> <li>• Use AI tools for effective and more objective grant writing.</li> <li>• Project management and budgeting required for getting funded.</li> </ul>
<p><b>Activities</b></p>	<p>The course will be highly interactive. Methods used in the course are:</p> <ul style="list-style-type: none"> <li>• Exercises using examples from participants.</li> <li>• Peer Feedback: You will give and receive feedback on the elements of your grant that you develop in the workshop.</li> <li>• Theoretical input from the trainer will be substantiated with real life examples from Prof. Mertens experience as grant receiver and reviewer.</li> </ul> <p>Additionally you will have the opportunity to ...</p> <ul style="list-style-type: none"> <li>• Explore teamwork and leadership in a sports activity (Portugal: surfing).</li> <li>• Meet with local service providers to discuss funding in general: audience, interest of the funders a.s.f.</li> <li>• Network and exchange with colleagues from other European universities. EIAPD will facilitate a session to identify possibilities for further cooperation among participants.</li> </ul>
<p><b>Learning outcome and impact</b></p>	<p>After the course you will ...</p> <ul style="list-style-type: none"> <li>• be able to identify your scientific message and tell a compelling fundable scientific story</li> <li>• be able to apply AI tools for literature review, for texting and for brainstorming on all levels of grant writing.</li> </ul>

Further information

Phone: +49 173 665 94 26

Mail: [jan.schmidt@eiapd.eu](mailto:jan.schmidt@eiapd.eu)

web: [www.eiapd.eu](http://www.eiapd.eu)

	<ul style="list-style-type: none"> <li>• be able to apply the fundamental project management tools required for grant writing which include SMART, SWOT, MoSCoW, risk assessment and contingency planning, Gantt chart, milestones, deliverables and budgeting.</li> <li>• profit from your expanded network - enriched by the other participants you met at EIAPD.</li> </ul>
<p><b>Target Group</b></p>	<ul style="list-style-type: none"> <li>• scientists from all fields and from all career levels</li> <li>• experience of Daniel Mertens is from medical molecular biology. However, from his training experience the fundamental tools are applicable to (almost) all scientific settings.</li> </ul>

## **Your Destination: Vicentine Coast Natural Park, Portugal**

The Parque Natural do Sudoeste Alentejano e Costa Vicentina (English: *Southwest Alentejo and Vicentine Coast Natural Park*) is a natural park in the southwest of Portugal. It stretches along the Atlantic coast, the Costa Vicentina, between São Torpes in the Alentejo Litoral and Burgau, west of Lagos in the Algarve.

The park was established in 1988 and includes several unique biotopes and is visited by zoologists and botanists from many parts of the world. Another point for leisure activities: the Atlantic Ocean invites you to go surfing at this time of year.

Monday	Tuesday	Wednesday	Thursday	Friday
	09.00-12.30		09.00-12.30	09.00-12.30
	Module 1: Message and Storytelling - Introduction - Identifying your Message - Telling a captivating scientific story	Excursion - e.g. teamwork and leadership, Surfing lessons with ze Nuno and Boa Onda <i>or: Networking with colleagues.</i> <i>or: self-work using AI tools</i>	Module 3: Applying AI Tools - Application of AI tools to examples from participants	Cleanup of location and departure, transport provided by organizers.
	12.30-13.30		12.30-13.30	
	Lunch		Lunch	
Throughout the afternoon	13.30-15.00		13.30-15.00	
Arrival and pick-up from airport by organizers	Module 2: How to use AI-tools - How large language models work (LLMs) - how to use LLMs - examples for AI tools	Excursion - e.g. teamwork and leadership, Surfing lessons with ze Nuno and Boa Onda <i>or: Networking with colleagues.</i> <i>or: self-work using AI tools</i>	Module 4: Project Management - Project management tools - Collaborating - Budgeting	

Further information

Phone: +49 173 665 94 26

Mail: [jan.schmidt@eiapd.eu](mailto:jan.schmidt@eiapd.eu)

web: [www.eiapd.eu](http://www.eiapd.eu)