

Scientific Writing and Publication Online Course

March - June, 2021



Scientific Writing and Publication Online Course

2021

Preliminary Programme

Scientific Writing and Publication Online Course

Scientific Programme March 2021 - June 2021

- 5 online courses
- Didactic part with theoretical lectures and discussion
- Practical part in small groups
- Homework exercises for the participants

Dates	Mentor	Fellow	Topic
09.03.2021 6:00 - 8:00 PM, CET	Pedro Ramirez	Aleksandra Strojna	Strategies for Scientific Publication and Literature Analysis
11.03.2021 6:00 - 8:00 PM, CET	Christina Fotopoulou Sean Kehoe	Charalampos Theofanakis Kamil Zalewski	Structuring a Scientific Manuscript
19.04.2021 6:00 - 8:00 PM, CET	Janina Bąk	Kamil Zalewski Charalampos Theofanakis	Interpreting Statistical Tests and Models
20.04.2021 6:00 - 8:00 PM, CET	Rene Pareja	Zoia Razumova	Steps to Peer Review Process
30.06.2021 6:00 - 8:00 PM, CET	Pedro Ramirez	Joanna Kacperczyk-Bartnik	Tools for Successful Scientific Presentations



Scientific Writing and Publication Online Course

1. Title of the Webinar: Strategies for Scientific Publication and Literature Analysis

Date: 9th March 2021
Mentor: Pedro T. Ramirez
Fellow: Aleksandra Strojna
Duration: 6:00 - 8:00 PM, CET

Didactic part

Lecture 1	20 minutes
Lecture 2	20 minutes
Discussion	20 minutes

Practical part

Interactive Session	45 minutes
Summary	15 minutes

Lectures:

1. Strategies for Scientific Publication and Literature Analysis - Preparation for Scientific Publication

- Selecting the topic for manuscript
- Finding the mentor and scientific collaboration
- Details of quality database
- Selecting the ideal journals

2. Strategies for Scientific Publication and Literature Analysis - Manuscript Preparation

- Strategies for writing each component of manuscript
- Writing in English-language journals
- Avoiding mistakes and common pitfalls
- Reasons for manuscript rejection

Homework:

- Participants will submit the top three reasons for challenges in publication (Discussion by Mentor).
- Participants will receive an example of high-quality manuscript for later discussion

Interactive groups:

During the interactive session participants will introduce top three reasons for challenges in publication which will be discussed by Professor Pedro Ramirez and between group members. During interactive part there will be a discussion regarding sample high-quality publication sent in advance.

Abstract

The first meeting will be hosted by Professor Pedro Ramirez who will introduce participants to the Manuscript Writing Webinar Series. During the webinar participants will gain essential knowledge in developing their own research career and effective change in the quality of medical research. The presentation will focus on key points that will improve the quality of scientific manuscripts. In addition, there will be a discussion regarding key barriers to publication and how to avoid obstacles that might arise during manuscript preparation, submission, and review. There will also be a discussion on how to critically analyze manuscripts and develop skills on how to interpret published data. During the interactive session participants will submit the top three reasons for challenges in publication followed by the discussion by Mentor. As a last component of the session Mentor will also provide details on high-quality manuscript.

» Professor Pedro T. Ramirez

Dr. Pedro T. Ramirez is Professor in the Department of Gynecologic Oncology and Reproductive Medicine and Director of Minimally Invasive Surgical Research & Education. Dr. Ramirez is also the Chair of the Enhanced Recovery After Surgery (ERAS) Program in Gynecologic Oncology. He is the recipient of the David M. Gershenson Distinguished Professor in Ovarian Cancer Research Endowment and of the Randall Prize for Excellence in Cancer Treatment. He has published a total of 258 manuscripts in peer-reviewed journals, including the New England Journal of Medicine and has published a total of 19 book chapters. In addition, he is the Editor for a textbook titled Principles of Gynecologic Oncology Surgery. Dr. Ramirez is also the Editor-in-Chief of the International Journal of Gynecological Cancer.

2. Title of the Webinar: Structuring a Scientific Manuscript

Date: 11th March 2021
Mentors: Christina Fotopoulou, Sean Kehoe
Fellows: Kamil Zalewski, Charalampos Theofanakis
Duration: 6:00 - 8:00 PM, CET

Didactic part

Lecture 1	20 minutes
Lecture 2	20 minutes
Discussion	20 minutes

Practical part

Interactive Session	45 minutes
Summary	15 minutes

Lectures:

1. Topics of discussion before writing your manuscript

- Why publish and is it publishable?
- Types of manuscripts, when and why?
- Why is it worth reading: Guide for Authors?
- What are publication ethics and how to avoid violations?

2. Tips on organizing your manuscript

- Why figures and tables are worth a thousand words?
- Abstract, title, acknowledgements, references
- Plagiarism and inadvertent lack of citations

Homework:

Participants will review 4-5 excerpts from articles distributed to them ahead of time and will prepare a list of items that could be written better or are the weaknesses of the text.

Interactive groups:

During the interactive session participants will discuss their findings and will receive feedback from Mentor and other group members.

Abstract:

Session is designed for all gynecological oncologists who plan to publish results of their work in scientific journals. Mentor will focus on the organization of a scientific research paper, designing tables and figures and writing a clear and concise abstract and cover letter for submission to a science journal. Ethics in publishing and plagiarism will be also discussed. Mentor will share their personal experience gained by publishing and reviewing numerous articles.

» **Professor Christina Fotopoulou**

Professor Christina Fotopoulou trained in obstetrics and gynaecology and subspecialized in gynaecological oncology at the Charité University Hospital of Berlin in the surgical and systemic treatment of gynaecological malignancies. She is a Consultant Gynecological Oncologist in the Imperial College London Healthcare Trust in Queen Charlottes Hospital in London, and is a principal investigator of the Ovarian Cancer Action Research Centre, UK.

She has been the Vice Director of the Clinic for Gynecology at the Charité in Berlin, one of the largest reference and accredited centers for gynecological cancer in Europe, as well the Principal Coordinator of the European Competence Center for Ovarian Cancer. Her principal area of expertise lies in exenterative procedures for advanced forms of pelvic malignancies, in the ultraradical cytoreductive procedures for primary or relapsed ovarian cancer and the investigation of predictive and prognostic biomarkers of surgical and clinical outcome. Her further area of focus is bioengineering and implementation of novel bioengineering methods in cytoreductive surgery for advanced ovarian cancer.

She is an active member of the clinical guidelines group of the BGCS and the German AGO- Ovarian Cancer Steering Group and is the surgical lead in the European Network for Translational Research in Ovarian Cancer (EUTROC) in the working package "Predicting surgical outcome".

She is on the editorial board and reviewer of numerous international gynaecological and oncological journals and is member of various international oncological committees, including SGO, BGCS, ASCO, ESGO, IGCS, ESMO, ENGOT, AGO and NOGGO.

» **Professor Sean Kehoe**

Professor Sean Kehoe is Lawson Tail Professor of Gynaecological Cancer at Birmingham University with clinical work at the Pan Birmingham Gynaecological Cancer Center. He is also Chair of the FIGO Gynaecological Cancer Committee and on the RCOG Council. He is a Senior Research Fellow of St Peters College Oxford. His research over the years has included clinical trials, basic science, epidemiology. He has published over 160 papers/book chapters, and lectures regularly at National and Internal meetings.

3. Title of the Webinar: **Interpreting Statistical Tests and Models**

Date: 19th April 2021
Mentors: Janina Bąk
Fellows: Kamil Zalewski, Charalampos Theofanakis
Duration: 6:00 - 8:00 PM, CET

Didactic part

Lecture 1	20 minutes
Lecture 2	20 minutes
Discussion	20 minutes

Practical part

Interactive Session	45 minutes
Summary	15 minutes

Lectures:

1) The theory of statistical testing

- Key methodological issues that need to be taken into account before data analysis; sample size and quality, research methods compatible with specific measurement scales
- The difference between descriptive and inferential statistic
- The grounds for generalization of the results

2) Analytical methods most frequently used in medical research

- Dependent and independent variables
- Four types of measurement scales (nominal, ordinal, interval, and ratio) – why is this distinction important in analysis
- How to interpret: t- test, chi-square analysis, regression models (e.g. linear, logistic, Cox regression model, i.e. survival analysis)

Homework:

Before the workshop attendees will be recommended, for those who want to self-study before the meeting.

Interactive part:

Before the workshop a short test will be conducted among attendees, so to establish the level of their statistical knowledge. The results will be used in order to create groups coherent in terms of analytical skills. Each group will be given a different example of a research paper and therefore an example of different statistical methods, so that analyzed research output is compatible with their level of knowledge. During the workshop attendees will receive tasks focused on developing skills in interpreting the statistical outputs used in medical research. As groups of different knowledge will be created, no prior mathematical knowledge is required before the workshop.

Abstract:

The topic of statistical methods is a broad and often considered to be a difficult one. The good news is that in medical peer-reviewed papers there are some analytical methods used more frequently than others. These include basic statistical tests (t-test, chi-square test, correlation) as well as regression models of different kind- with the Cox regression model (survival analysis) being probably the most important one, especially in clinical research.

Keeping this in mind, this workshop will be focussed on learning how to interpret statistical outputs most frequently found in research articles. The theory of statistical testing will be briefly introduced but the main focus will be put on practical skills. The aim being that after the workshop attendees will have no problems in understanding the analytical part of any medical research.

» **Janina Bąk**

Janina Bąk has been teaching statistics and quantitative research methods at Thinity Collage Dublin for the past six years. Her PhD research included using the same statistical methods in different disciplines, e.g. using survival methods of cancer research for predicting migrant flows on international job market. In 2015 she received Dermont McAleese Teaching Award „recognizing outstanding commitment to teaching and learning resulting in above average academic performance of her students”.

She is now involved in part-time research and teaching activities on several universities, for example: University of Economics in Wrocław, Poland and University of Philipps University Marburg, Germany. In 2020 she wrote a book promoting statistical knowledge of which 75000 copies were sold.

4. Title of the Webinar: Steps to Peer Review Process

Date: 20th April 2021
Mentor: René Pareja
Fellow: Zoia Razumova
Duration: 6:00 - 8:00 PM, CET

Didactic part

Lecture 1	20 minutes
Lecture 2	20 minutes
Discussion	20 minutes

Practical part

Interactive Session	45 minutes
Summary	15 minutes

Lectures:

- 1) Dr. Rene Pareja-What is it and why is it important?
How to start?
What to write?
How to peer review different types of publications (original, review, case reports, etc.)?
How to answer to Reviewers?
- 2) Dr. Zoia Razumova-Tools for effective peer review
Online platforms.
Literature search.
Plagiarism.
- 3) IJGC Reviewer of the Month (April 2021)
Title: Why do I need it? Personal experience.
 - a) Develop critical thinking.
 - b) Be up to date.
 - c) Facilitate writing skills.
 - 4) Q&A – 15 minutes

Homework:

- Read a paper distributed two weeks prior to session
- Take notes about the major, moderate and minor revisions that need to be made in each section of the paper.

Interactive groups:

During the interactive session, participants will be divided into 5-6 equal groups and assigned to one of the fellows. Each group will have 30 minutes to formulate the most critical problems in the distributed manuscript. The groups will write down the list of items using an online tool (Google Forms). Prof René Pareja will randomly join group discussions for no more than 5 minutes each time. The critique will be then automatically summarized and sent to the chief fellow (Dr Zoia Razumova). Afterwards, participants will be back to the main session.

Further discussion will be based on the critique from all groups. Prof René Pareja will comment on it section by section. Every section will be followed by his slide with the 'perfect critique'. The second part of the interactive session will take 30 minutes. All participants will have a chance to ask any questions related to the discussed material within the upcoming calendar month.

Abstract

Peer review is an essential part of a publishing process for every gynecologic oncologist. Therefore, during the meeting, Prof René Pareja together with Dr Zoia Razumova will provide participants with up-to-date information on the peer review process. Participants will also become familiar with practical tools for high quality peer review. Participants will be joined by IJGC Reviewer of the Month (April 2021) who will share her/his personal experience on the peer review process. After the first part of the session, participants will be invited to join the interactive peer review session. The goal of the live session will be to engage in critical thinking. The participants will also learn how to peer review manuscripts in a fast and efficient manner. Besides, they have a chance to contact course organizers, including the webinar mentor, within one calendar month after the session.

» Professor René Pareja

Gynecologic Oncologist and minimally invasive surgeon. Reviewer for more than 20 journals in the specialty. More than 50 publications in peer-reviewed journals. Member of the editorial board of The Journal Of Minimally Invasive Gynecology and Associate Editor of International Journal Gynecological Cancer. Current member of IJGC council, board of directors, representing American Continent.

5. Title of the Webinar: **Tools for Successful Scientific Presentations**

Date: 30th June 2021
Mentor: Pedro T. Ramirez
Fellow: Joanna Kacperczyk-Bartnik
Duration: 6:00 - 8:00 PM, CET

Didactic part

Lecture 1	20 minutes
Lecture 2	20 minutes
Discussion	20 minutes

Practical part

Interactive Session	45 minutes
Summary	15 minutes

Lectures:

1. Research presentations and promotion during scientific events:

- Congress choice
- Poster presentation
- Oral presentation
- Online presentation
- Additional activities during the congress

2. Tools in preparing Power Point presentations Congress choice

- Preparing the slides
- Delivering the message
- Avoiding pitfalls
- Engaging the audience

Homework:

Participants will prepare an 8-minute presentation (1 or 2 presentations) from a distributed manuscript ahead of time.

Interactive groups:

During the interactive session participants will deliver their presentations followed by a presentation on the same topic by Prof. Ramirez. Afterwards presenters will receive feedback from other group members. Further discussion based on presented examples will include slide design, information selection, and how information was presented.

Abstract

During the meeting Prof. Ramirez will provide participants with tips on effective data dissemination and research promotion. Becoming an expert in the field requires experience, knowledge and ability to share with colleagues, patients and general audience on a local and global scale. This is why participants are invited to a separate session on sharing the results. Emphasis will be put on strategies for choosing the right medical congress for data presentation. During the group session, members will learn how to prepare materials for conference presentations on an example of a recently published paper in the field of gynecologic oncology.

» Professor Pedro T. Ramirez

Dr. Pedro T. Ramirez is Professor in the Department of Gynecologic Oncology and Reproductive Medicine and Director of Minimally Invasive Surgical Research & Education. Dr. Ramirez is also the Chair of the Enhanced Recovery After Surgery (ERAS) Program in Gynecologic Oncology. He is the recipient of the David M. Gershenson Distinguished Professor in Ovarian Cancer Research Endowment and of the Randall Prize for Excellence in Cancer Treatment. He has published a total of 258 manuscripts in peer-reviewed journals, including the New England Journal of Medicine and has published a total of 19 book chapters. In addition, he is the Editor for a textbook titled Principles of Gynecologic Oncology Surgery. Dr. Ramirez is also the Editor-in-Chief of the International Journal of Gynecological Cancer.