# Workshops given as part of the AMS Annual Research Meeting 2021

(The workshops to be given monthly, on the last Thursday of the month, starting in January).

**Alle workshops starten 16 uur (tot uiterlijk 17:30).** Sign up link for workshops: <https://forms.gle/tNsomZY3igrJf1UZ6> (deadline 3 days in advance of the workshop)

***Date 28/01/2021 TBA Cancelled***

***Date 18/02/2021: ‘*’Amsterdam Bone Center’’: a multidisciplinary clinical and research initiative presenting and brainstorming about apparently insolvable bone defects. (Dr. Marco Helder, dr. Marelise Eekhoff, dr. Nathalie Bravenboer, dr. Jan Maerten Smit).**

The workshop will focus on hard-to-treat large bone defects. In the workshop, presented by the multidisciplinary team, innovative developments are highlighted and open questions are discussed. From a clinical to research perspective and back!

***Date: 25/03/2021:* RNA-seq analysis using the Amsterdam UMC core facilities: from the test-tube to functional interpretation (Dr. Daoud Sie, dr. Peter Henneman, dr. Piet Molenaar, dr. Jan Koster)**

This workshop will provide insight and hands-on experience in how a typical RNA-seq project flows through the available Core Facilities at the Amsterdam UMC. We start with the concepts of experiment design and follow our way through the Core Facility Genomics where the wetlab work; sequencing and data preprocessing is performed. Next is a hands-on session where the Core Facility Oncogenomics will guide you through R2, a dedicated AUMC developed genomics analysis platform designed for wetlab biologists. Here you will explore, analyze and visualize the RNA-seq data set to extract and interpret biology from the experiments. The workshop is aimed at PhD candidates and ECRs.

***Date 29/04/2021:* Research Integrity (dr. Jaap van Netten and dr. Gerben ter Riet)**

How is your daily work affected by choices on integrity? How much do you know about RI? And how do you handle situations when there’s pressure on your choices? Test your skills and share your experiences with RI-Bingo and be prepared to give a solo karaoke performance should your skills not be up to scratch! This workshop is informative AND entertaining and was given excellent reviews when it was given during the AMS research meeting. Make sure you sign on to expand on your RI skills!

***Date 27/5/2021:* Automated video-based movement analysis using machine learning; using the DeepLabCut toolbox for tracking movements in children, animals, and muscles. (dr. Helga Haberfehlner)**

DeepLabCut is a newly developed, open-source toolbox code that builds on a state-of-the-art machine learning to allow a user to train a deep neural network with limited training data to precisely track user-defined landmarks in videos. It has mainly been applied in animal research (e.g. fruit flies, cheetahs, mice) but has also already been used for tracking early movements in human babies and for tracking in ultrasound images. The advantage of this toolbox is that it is well-documented, and easy to use (for users afraid of coding, a full graphical user interface is even present). In this workshop, we will present examples of what can be done with DeepLabCut, and attendees will make a start in labelling their own videos in a cloud-based environment. *(Max. 20 participants, first come first serve).*

***Date 24/06/2021:* An Introduction to Bayesian Statistics with JASP**

Bayesian data analysis presents an attractive alternative to p-value hypothesis testing. In the past years, Bayesian methods have become increasingly popular because they provide several advantages to the applied researcher, such as the ability to quantify evidence and successively update it as data come in. In this workshop, we will give a conceptual introduction to the basics of Bayesian statistics and introduce JASP, a user-friendly open source software package that allows users to conduct Bayesian data analysis for standard statistical problems.

***DATE tba:* Room for everyone’s talent (dr. Dirk-Jan den Boer, director SGW @ NWO, and Talent**

**portfolio holder)**

In this workshop dr. den Boer will chair a discussion based on the position paper published by KNAW and VSNU in collaboration with ZonMw ‘[Room for everyone's Talent’](https://www.vsnu.nl/recognitionandrewards/wp-content/uploads/2019/11/Position-paper-Room-for-everyone%E2%80%99s-talent.pdf). Based on this paper, which concludes that it takes a diversified talent pool and wide set of expertise to get to the best deliverables, there will be a discussion on which steps are needed to obtain this goal. How do we ensure that the various tasks in academia are given equal credit, be it patient care, teaching, research or leadership, to name a few. The paper suggests less emphasis on quantitative measurables, and that career paths may change, without this being a negative slant. The emphasis will lie more on a group achievement than on the individual achievement, and in addition, both open and citizen science will play a bigger part. Sign up for the workshop to join the discussion.

***DATE tba:* \*Research Professional Workshop**

The \*Research Professional (RP) funding database is a powerful tool to help researchers find exactly the funding opportunities they need. A UK representative from Research professional, Nick Epiphaniou, will share his expertise during this workshop. Nick will give a general introduction of the database and help you get started; focus on how to identify relevant calls, explore the awards database and set up your own query. In addition he will work through the various functionalities the database offers, and will finish off with a one-to-one session if there are any particular queries. The workshop is open to all AMS members, but is especially relevant for PhD candidates and ECRs. *NOTE: Set up an RP account prior to the workshop!* (<https://www.researchprofessional.com/0/rr/home>).