**Subject line ideas:**
Prenatal exomes training sessions – save the date

Save the date: STP prenatal exomes training

Dear colleague, **The [Genomics Training Academy](https://www.genomicseducation.hee.nhs.uk/about-us/gtac/) (GTAC) invites you to two training events on prenatal exomes to support your STP training: a webinar on 27 September and a workshop on 10 October. These will cover key topics such as clinical concepts, result interpretation and best practices. Your participation in both events is essential. Please read on for more details:**

In collaboration with the South East, Central & South and North Thames Genomic Laboratory Hubs, we are hosting two virtual events to support the prenatal exomes training activity from the Scientist Training Programme prenatal genomics module.

The learning will be underpinned with a webinar on Friday 27 September from 10:00 to 13:00 and a workshop on Friday 10 October from 09:30 to 13:00. The sessions will be hosted by clinical scientists and educators with presentations on clinical concepts of the fetal exomes pathway delivered under the R21 code of the National Genomic Test Directory.

**Webinar themes:**

* Overview of the R21 fetal exomes clinical indication
* Principles of the assay
* Local and national guidance
* Interpretation of results
* Ethical considerations for analysing exomes in prenatal samples
* Best practice guidance

**Workshop themes:**

* Interpretation of results
* Variant filtering
* Variant classification and reporting criteria
* Best practice guidance
* Quality control, including IQC, and EQA
* Nomenclature
* Disease mechanism
* Test sensitivity and limitations
* Local format for reporting
* Reporting of incidental findings

The webinar will include presentations and opportunities for asking questions and engaging in dialogue. The workshop will be case-based with delegates reviewing guidelines required for variant interpretation, and then working through cases in small focus groups with facilitators.

**Learning outcomes:**

* Apply appropriate testing strategies to patients referred following abnormal ultrasound scan findings.
* Interpret genomic variants, including copy number changes, and investigate the clinical significance of variants using bioinformatic tools using best practice guidelines.
* Interpret and report prenatal genomic findings, including appropriate recommendations for patient management.

**Additional information:**

* Genomics STP trainees will receive calendar invites with links to join the webinar and workshop session.
* Trainees must attend both the webinar and the workshop sessions. A recording of the webinar (but not the workshop) will be available on request.
* Slides from the webinar will be shared with all trainees after the event.
* Workshop slides will be available at least two weeks before the workshop. Trainees are expected to engage with the slides ahead of the workshop, formulate hypotheses and questions, and come prepared for discussions during the workshop.

Given the nature of these sessions, trainees must ensure that they are in an environment that supports their learning (e.g. free of distractions and interruptions).

Access to a working microphone and camera is **mandatory** for the virtual workshop.

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| **Training** | **Date** |  | **Time** |
| Webinar | Friday 27 September |  | 10:00-13:00 |
| Virtual workshop | Friday 10 October |  | 09:30-13:00 |

**For further information, or if you have any questions,** **please contact the GTAC team****.**