

Qiagen Training Series

Q1 2021

10 training events

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IPA Series: Courses

- **IPA Beginner** **2/16, 3/2, 3/16/21**
- **IPA Intermediate** **2/17, 3/3, 3/17/21**
- **IPA miRNA** **3/18/21**
- **OmicSoft Lands** **3/25/21**
- **CLC Genomics Workbench** **3/30/21**
- **QCI Interpret-Translational** **3/31/21**

IPA Beginner and Intermediate Series

2021: Feb 16, 17 | Mar 2, 3 | Mar 16, 17



Topic New user training: Large dataset analysis and knowledge base queries using QIAGEN IPA

Description Join us for a 90-minute training session for new users on QIAGEN IPA. In this 2-part series, you will learn:

Day 1: Tuesday, 2021: New users will learn how to upload their dataset (RNA-seq, scRNA-seq, proteomics, metabolomics and more) and how to understand different result types produced by QIAGEN IPA, how to set up dataset comparisons based on experimental conditions to identify similarities and contrasts, and to generate a network even without a dataset

Day 2: Wednesday, 2021: Users will take a deeper dive into core analysis, comparison analysis and leveraging pre-processed public data (from GEO, TCGA etc.) to learn how they can utilize both their data as well as public data

Agenda: <https://qiagen.showpad.com/share/XcHQUIj2jKQLh72rDMFbc>

Offered on the 1st and 3rd Tuesdays and Wednesdays of every month at 1:00 PM ET/ 10:00 AM PT (unless it falls on a US holiday)

By giving your consent below, you submit your information to QIAGEN, who will use it to communicate with you regarding this topic. QIAGEN may also use your personal information for internal business and marketing purposes, including but not limited to webinar and raffle registration, product, trial, educational, and events information. The information will not be sold to any third party. QIAGEN may transfer your personal information to our CRM system (hosted by Salesforce.com, Inc. and Oracle Corp.) and our commercial partners solely for the purposes of data hosting, phone calls and QIAGEN email distribution. You may unsubscribe (https://go.qiagen.com/qiagen_unsubscribe) at any time. If you withdraw your consent we will not be able to communicate with you on this topic. Your data will be processed in compliance with applicable privacy laws including the EU General Data Protection Regulation. For further details please refer to our Privacy Policy (<https://www.qiagen.com/us/trademarks-and-disclaimers/privacy-policy/>).



QIAGEN Digital Insights presents

QIAGEN Ingenuity Pathway Analysis (IPA) bi-weekly training - 2 part series

Date: **Tuesdays and Wednesdays, 2021**

(All times are shown in US Eastern Standard Time)

Registration Link: https://qiagen.zoom.us/webinar/register/WN_wxW4gHRLS4SPVxQVdJN_gw

Agenda

Day 1: New user training: Large dataset analysis and knowledgebase queries using QIAGEN IPA
1:00 p.m.– 2:30 p.m.

Sumana Chintalapudi, Ph.D., Field Application Specialist, QIAGEN Digital Insights

Large dataset analysis (RNA-seq, scRNA-seq, proteomics, metabolomics and more) and querying the QIAGEN Knowledgebase

- Data format, upload and analysis setup
- Understanding the results of a pathway analysis
- Key pathways, regulators and more
- Comparing pathway analyses of different conditions
- Understand gene-phenotype relationships (dataset not required)
- In silico research through network construction

Day 2: Deeper dive into core analysis, comparison analysis and leveraging pre-processed public data using QIAGEN IPA
1:00 p.m.– 2:30 p.m.

Sumana Chintalapudi, Ph.D., Field Application Specialist, QIAGEN Digital Insights


Users will learn how to utilize both their data as well as public data to generate concrete hypotheses about biological mechanisms, discover new biomarkers and identify key regulators.

- In-depth discussion of core analysis result types
- In-depth discussion of comparison analysis tools
- Easily search and open pathway analyses of public data
- Study gene expression across diseases, tissues, cell types, etc. using public data
- P-value and Z-score explanation
- Other topics time permitting




IPA miRNA-seq

March 18, 2021



Qiagen IPA Training Workshop

Join our interactive, web-based training
March 18th 10:00 AM – 11:30 AM PT
Register [here](#)



Learn about QIAGEN Ingenuity Pathway Analysis (IPA) empowered by the world's largest, expert-curated knowledge database. IPA can quickly visualize and understand complex 'omics data and perform insightful data analysis and interpretation by placing your experimental results within the context of biological systems. Join us for a 90-minute webinar to learn how to identify target mRNAs for your miRNAs of interest and associate them with pathways, diseases, biological functions, tissues and cell types.

Agenda for the training:


- How to analyze miRNA-seq datasets alone, or both miRNA and corresponding mRNA datasets together
- How to use QIAGEN IPA without a dataset, using miRNA IDs
- Introduction to databases and curated content specific to miRNA
- How to effectively apply various filters and functionalities to identify biomarkers, key targets and novel biological mechanisms

When: Thursday, March 18th
10:00 AM - 11:30 AM PT

Where: Virtual Online Training
Zoom meeting invitation
will be sent after registration

Presenter: Devendra Mistry, PhD
Manager, Field Application Science
QIAGEN Digital Insights


Contact Persons:
Yate-Ching Yuan, Ph.D. yvuan@coh.org or InformaticsHelp@coh.org



Sample to Insight


QCI Interpret-Translational

March 31, 2021



QCI Interpret Translational Workshop

Join our interactive, web-based training
March 31st 10:00 AM – 11:00 AM PDT
Register [here](#)



Learn about QIAGEN Clinical Insight Interpret Translational (QCII-T formally Qiagen IVA) empowered by the world's largest, expert-curated knowledge database. QCII-T provides up-to-date evidence for variant filtering, interpretation, annotation, classification, visualization, and sharing, to support clinical NGS data analysis and patient-specific clinical reports for hereditary testing & diagnosis and cancer research.

Agenda for the training:

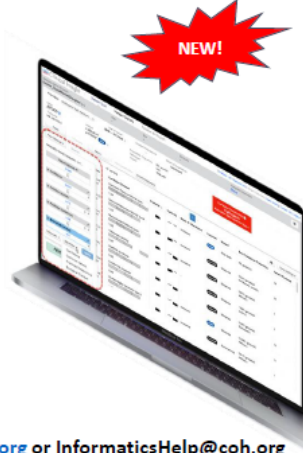
- Introduction: IVA to QCII-T
- Sample upload and analysis creation
- Set up filtering cascade
- Variant analysis

When: Wednesday, March 31st
10:00 AM - 11:00 AM

Where: Virtual Online Training
Zoom meeting invitation
will be sent after registration

Presenter: Dong Yang, Ph.D.,
Field Application Scientist,
QIAGEN Digital Insights

Contact Persons:
Yate-Ching Yuan, Ph.D. yvuan@coh.org or InformaticsHelp@coh.org



Sample to Insight

[Home](#) > [Trainings](#) > Novel discoveries utilizing public data through QIAGEN Omicsoft Lands – Mar 25

Novel discoveries utilizing public data through QIAGEN Omicsoft Lands – Mar 25

DATE: 2021/03/25 DURATION: 01:00:00 PRESENTED BY: SUMANA CHINTALAPUDI, PH.D., FIELD APPLICATION SCIENTIST, QIAGEN DIGITAL INSIGHTS

Join us for a 60-minute training session to learn how to discover and validate biomarkers, key regulators, and targets through harnessing uniformly processed public data from sources such as GEO, SRA, cancer collections (TCGA, CCLE etc.), normal tissues/cell type collections (GTEx, HPA etc.) and more using QIAGEN's Omicsoft Lands

[Click here to register](#)[Home](#) > [Trainings](#) > RNA-seq and single-cell RNA-seq data analysis using QIAGEN CLC Genomics Workbench – Mar 30

RNA-seq and single-cell RNA-seq data analysis using QIAGEN CLC Genomics Workbench – Mar 30

DATE: 2021/03/30 DURATION: 01:30:00 PRESENTED BY:

In this 90-minute training, users will learn how to easily analyze RNA-seq and single cell RNA-seq (scRNA-seq) data using QIAGEN CLC Genomics Workbench software.

For RNA-seq and scRNA-seq data, users will learn how to:

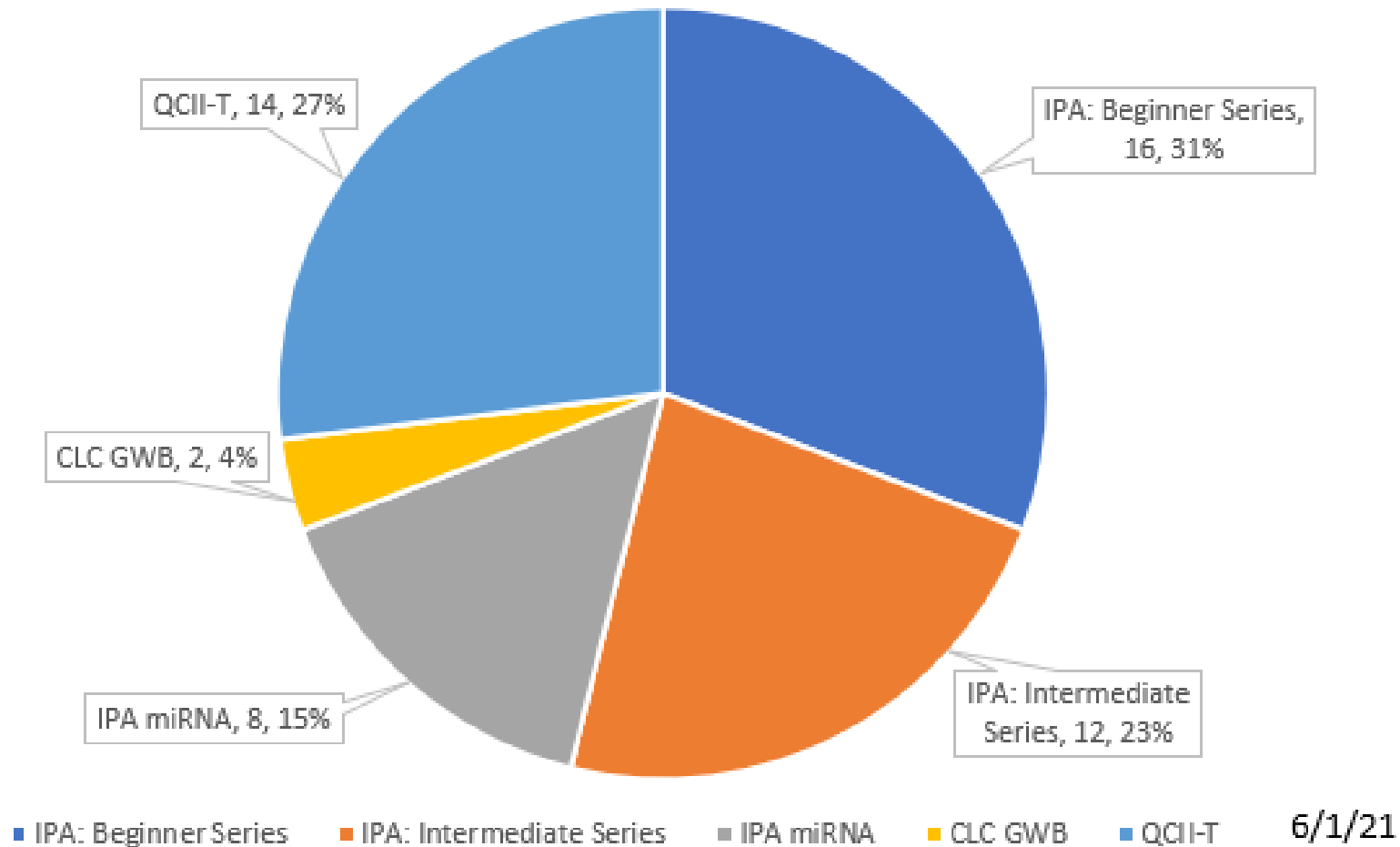
- Import fastq files, cell matrix files, metadata and download references
- Map reads to reference, generate gene and transcript counts as well as QC reports displaying % mapped reads, knee plots, etc.
- Generate heatmaps, differential expression tables, PCA/PCOA plots, t-SNE plots, UMAP plots, dot plots, Venn diagrams and other visualizations
- Annotate single-cell clusters and overlay gene expression upon them
- Easily customize RNA-seq and scRNA-seq workflows
- Export publication-quality graphics, tables and reports
- Send differential expression tables to QIAGEN Ingenuity Pathway Analysis (IPA) directly from QIAGEN CLC Genomics Workbench

[Click here to register](#)

Qiagen Training Series - Feb-Mar 2021

Total Attendees by Training Event

Total 52 | COH 48 | TGen 4



6/1/21

Qiagen Training Series - Feb-Mar 2021

Total Attendees by PI Cancer Center Program

Total 52 | Cancer Center members 42

