00:23:47	Alice Persichini:	Hello to all. I'm Alice Persichini. I'm from Macerata (Italy)
00:23:53	Prusik, Sarah:	Reacted to "Hello to all. I'm Al..." with ❤️
00:24:16	Anna Pascucci:	Hi everyone! This is Anna Pascucci from Italy
00:24:22	Prusik, Sarah:	Reacted to "Hi everyone! This is..." with ❤️
00:24:25	antonella di adila:	Antonella Di Adila from Foggia Italy
00:24:40	Prusik, Sarah:	abeinfo@edc.org
00:25:26	ALESSANDRA MANCINI:	Hi everyone! This is Alessandra Mancini from Italy
00:25:27	Cristina Gatti:	Cristina Gatti from Perugia Italy
00:25:31	Prusik, Sarah:	Reacted to "Hi everyone! This is..." with ❤️
00:25:34	Prusik, Sarah:	Reacted to "Cristina Gatti from ..." with ❤️
00:27:49	Raegan Davenport:	Reacted to "Cristina Gatti from ..." with ❤️
00:27:53	Raegan Davenport:	Reacted to "Hi everyone! This is..." with ❤️
00:27:58	Raegan Davenport:	Reacted to "Antonella Di Adila f..." with ❤️
00:28:03	Raegan Davenport:	Reacted to "Hi everyone! This is..." with ❤️
00:28:07	Raegan Davenport:	Reacted to "Hello to all. I'm Al..." with ❤️
00:28:09	Raegan Davenport:	Reacted to "Rossella Lupo from B..." with ❤️
00:28:16	Raegan Davenport:	Reacted to "Hi from Massachusset..." with ❤️
00:28:21	Raegan Davenport:	Reacted to "Luigina Renzi, Spole..." with ❤️
00:28:26	Raegan Davenport:	Reacted to "Hello. Palermo (Ital..." with ❤️
00:28:29	Raegan Davenport:	Reacted to "Canada! I'm also not..." with ❤️
00:28:33	Raegan Davenport:	Reacted to "Hello. Los Angeles." with ❤️
00:28:37	Raegan Davenport:	Reacted to "Los Angeles, sorry I..." with ❤️
00:39:59	Prusik, Sarah:	👍
00:52:19	Anna Pascucci:	👏
00:53:13	antonella di adila:	😍
00:53:29	Raegan Davenport:	Reacted to "👏" with ❤️
00:53:32	Raegan Davenport:	Reacted to "😍" with ❤️

00:55:59   Raegan Davenport: Oh wow!! I love that!

01:02:07   Gene Wong: As a teacher new to the Exploring Precision Medicine Curriculum, may I get the password for the teacher guide and Student Science Notes Answer Key that is downloadable from the ABE website?

01:02:32   Karin Steinhauer: Teacher Guide: M3rlot!

01:02:54   Gene Wong: 👍

01:03:58   Karin Steinhauer: Sam pew for the student answer key

01:04:36   Debbie Brenner: yes I know exactly what you mean

01:05:08   Karin Steinhauer: How long is this module for your teachers Melanie and for each of you?

01:05:55   Melanie Rosenhart: Replying to "How long is this mod..."

they can perform it in 5 hours this is including the pcr

01:06:20   Raegan Davenport: Reacted to "Teacher Guide: M3rlo..." with 👍

01:06:25   Karin Steinhauer: Replying to "How long is this mod..."

Does that include the teacher covering the concepts or just lab work?

01:07:11   Melanie Rosenhart: Replying to "How long is this mod..."

this is the labwork and a bit of the concepts.

01:07:19   Melanie Rosenhart: Replying to "How long is this mod..."

For students it takes longer

01:07:47   Melanie Rosenhart: Replying to "How long is this mod..."

I only do the pdi for the teachers and they already understand

01:10:00   Debbie Brenner: Or we do foundation labs with one class and the precision medicine with a different course

01:11:15   Debbie Brenner: teaches it as well. that's awesome to have a partner in the same school.

01:11:28   Anna Pascucci: In Italy we train veteran teachers through a blended PDI of 15 hours. Then they implement at school for three hours but the time depends also by how much the teachers use IBSE. The teachers do at least the first two ABE labs

01:12:58   Debbie Brenner: In Southern California ABE gave us a 40-hour training during the summer. And then we have training sessions that we can go to during the year.

01:14:04   Anna Pascucci: Some teachers in Italy do both the path Foundation (without transformation , we use labxchange) and precision medicine

01:15:14   Karin Steinhauer: Are both of you covering the bioinformatics portion of the lab with the students?

01:15:39   Anna Pascucci: This year in Italy we have trained 60 teachers on Precision Medicine and all the teachers have implemented at school with students

01:16:13   Debbie Brenner: @Karin what is the bioinformatics portion exactly?

01:16:24   Karin Steinhauer: Debbie,

01:16:52   Debbie Brenner: Oh is it Chapter 4

01:17:39   Debbie Brenner: Sorry I have never done this one but I am intrigued :D

01:17:58   Anna Pascucci: We did not focused on bioinformatics but we have organized another PDI at distance on bioethics

01:17:59   Melanie Rosenhart: we don't offer the sequencing of their DNA

01:18:20   Karin Steinhauer: They look at the chromatograms of the DNA sequences and look at SNPs and then discuss how that can effect precision medicine design

01:18:31   Debbie Brenner: Reacted to "They look at the c..." with 👍

01:18:58   Carolina Sarmiento: that was my question too! Thanks Karin

01:19:07   Raegan Davenport: Reacted to "that was my question..." with 👍

01:19:41   Raegan Davenport: Interesting..

01:20:27   Carolina Sarmiento: Every country has its own stuff! Interesting

01:20:41   Debbie Brenner: Quick question, when Sylvia has her kids compare numbers of taste buds to research data, does she have her students do any statistical testing, and if so what kind?

01:20:55   Raegan Davenport: Reacted to "Every country has it..." with 😊

01:21:34   Kristina Han: It's quite cost prohibitive, but there are sample chromatographs!

01:22:18   Kristina Han: Now I'm going to look Karin....

01:22:41   Kristina Han: I vaguely remember it's fairly highly conserved

01:24:51   Debbie Brenner: Ok so phenotype correlates with numbers of papillae, got it

01:25:00   Kristina Han: That is so interesting!!

01:26:00   Kristina Han: Good discussion start point around causation vs correlation!

01:26:35   Karin Steinhauer: Thanks so much Silvia and Melanie for being so generous with your knowledge.

01:26:46   Melanie Rosenhart: Reacted to "Thanks so much Silvi..." with ❤️

01:27:25   Carolina Sarmiento: Agree! Thank you

01:27:40   Melanie Rosenhart: if you any questions you can email me on m.m.rosenhart@vu.nl

01:27:42   Kristina Han: Thank you so much!!!

01:27:43   Debbie Brenner: Thank you so much!! I'm so glad to be able to learn from everyone!

01:27:55   Prusik, Sarah: abeinfo@edc.org

01:28:20   antonella di adila: Thank you at all

01:28:33   Paola Travascio: Thank you to both and sweet dreams

01:28:34   Carolina Sarmiento: Thanks everyone!

01:28:34   ALESSANDRA MANCINI: THANK YOU VERY MUCH, HAVE A NICE DAY OR NIGHT

01:28:37   Kristina Han: Happy time zone all!

01:28:53   Anna Pascucci: Happy Easter