

“Victor Babes” National Institute of Pathology and Leica Microsystems are glad to invite you to the

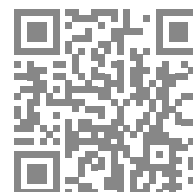
ELECTRON MICROSCOPY SAMPLE PREPARATION WORKSHOP FOR TEM AND CRYO TEM APPLICATIONS

Venue: “Victor Babes” National Institute of Pathology,
Splaiul Independentei 99–101, Bucharest, Romania
Date: 20th and 21st February 2018

DAY 1 – TUESDAY, 20TH FEBRUARY 2018

| Lectures | | |
|-------------|--|--|
| 09:30–10:00 | Registration | |
| 10:00–10:20 | Welcome and introducing the agenda | Mihaela Gherghiceanu & Medist Life Science |
| 10:20–10:45 | Overview of sample prep. techniques for TEM applications | Andreas Nowak |
| 10:45–11:30 | Cryo-electron microscopy in biomedical research | Mihaela Gherghiceanu |
| 11:30–11:45 | Coffee break | |
| 11:45–12:15 | Cryo sectioning according Tokuyasu method & immuno gold labelling | Andreas Nowak |
| 12:15–12:45 | HPF vs Chemical fixation – the advantages of cryo fixation | Frederic Leroux |
| 12:45–13:45 | Lunch | |
| 13:45–14:20 | High pressure freezing and follow-on techniques for TEM, cryo TEM & cryo SEM | Andreas Nowak |
| 14:20–14:45 | Coffee break & and dividing participants in groups | |

Practical demonstration: see next page



DAY 1 – TUESDAY, 20TH FEBRUARY 2018 (CONTINUED)

| Practical demonstration (3 groups, each group 1.5 hours and then swapping groups) | | |
|--|--|-----------------|
| 14:45–16:15 | Group RED : Cryo sectioning | Andreas Nowak |
| | Group GREEN : GP – immersion freezing for cryo TEM application | Emanuel Fertig |
| | Group BLUE : High pressure freezing & discussing freeze substitution for room temp sectioning application | Frederic Leroux |
| 16:15–16:30 | Coffee break | |
| 16:30–17:00 | Q&A, open application discussions – end of day one | All |

DAY 2 – WEDNESDAY, 21ST FEBRUARY 2018

| Practical demonstration (continuing) | | |
|---|---|-----------------|
| 09:30–11:00 | Group RED : High pressure freezing & discussing freeze substitution for room temp sectioning application | Frederic Leroux |
| | Group GREEN : Cryo sectioning | Andreas Nowak |
| | Group BLUE : GP – immersion freezing for cryo TEM application | Emanuel Fertig |
| 11:00–11:20 | Coffee break | |
| 11:20–12:50 | Group RED : GP – immersion freezing for cryo TEM application | Emanuel Fertig |
| | Group GREEN : High pressure freezing & discussing freeze substitution for room temp sectioning application | Frederic Leroux |
| | Group BLUE : Cryo sectioning | Andreas Nowak |
| 12:50–14:00 | Lunch | |
| 14:30–15:00 | Q&A, open discussions on topics we covered | All |
| 15:00–16:00 | Latest developments and trends in cryo EM Sample Preparation, including CRYO CLEM | Frederic Leroux |
| 16:00–17:00 | Q&A, open application discussions – end of the workshop | All |

REGISTRATION

If you would like to register for the workshop, or if you have questions about it, please send an email until 14th February 2018 to one of the below contacts:

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Pre-registration is mandatory. Participation is free of charge, but seats are limited (12 participants for the practical workshop and 70 participants for the lecture session).