大连理工大学
DALIAN UNIVERSITY OF TECHNOLOGY

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INVITATION

第三届石英晶体微天平发展与应用国际研讨会
—— 暨第六届 QSense 用户会议

2019 年 8 月 21-22 日，大连

The 3rd International QCM-D Scientific Conference
& the 6th QSense User Meeting

8.21-22,2019,Dalian,China

主办：　大连理工大学生物工程学院

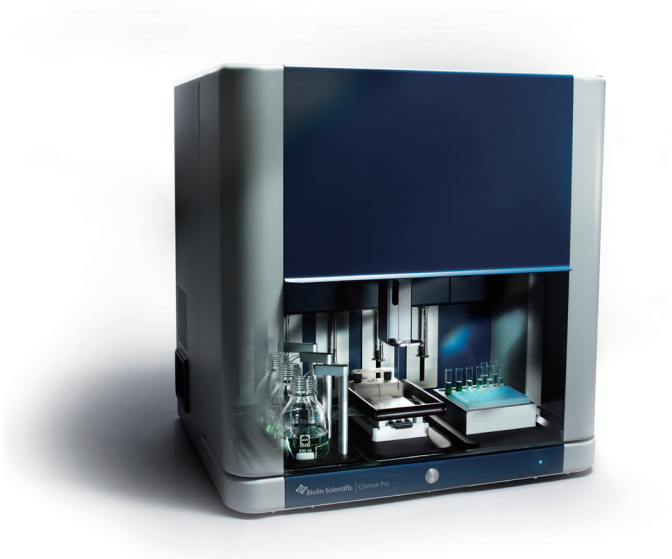
瑞典百欧林科技有限公司

尊敬的老师：您好！

耗散型石英晶体微天平（QCM-D）技术是由瑞典皇家科学院和瑞典皇家工程院院士、瑞典查尔姆斯理工大学Bengt Kasemo教授发明的一种强有力的表/界面检测技术，目前已在生物材料、高分子、摩擦润滑、海洋防污和腐蚀、纳米科学与技术、生物传感、生物分子相互作用、细胞与膜生物学、环境水处理、环境毒理、矿物浮选、锂离子电池、储能材料、食品与包装、提高石油采收率等领域得到广泛应用。

为了更好地利用该技术，了解其最新发展，促进大中华地区同行间的交流，大连理工大学生物工程学院与瑞典百欧林科技有限公司将于 2019 年 8 月 21 日 -22 日联合举办第三届石英晶体微天平发展与应用国际研讨会暨第六届 QSense 用户会议 (The 3rd International QCM-D Scientific Conference & the 6th QSense User Meeting, Dalian, China)。本次会议主席为大连理工大学生物工程学院院长贾凌云教授。会议还邀请了该领域多位国内外知名教授学者讲授 QCM-D 原理和应用，并解答相关问题。

与此同时，本次技术研讨会的海报征集活动也在如火如荼地进行中。如果您想与其他科研机构的老师分享交流自己的研究成果，那就投出您的海报吧，让我们一起和您分享科研的新奇与喜悦！



QSense 耗散型石英晶体微天平

本次海报的投稿语言为英语 / 中文均可，海报尺寸为宽度 800 mm× 高度 1200 mm。请将海报电子版投递至：lauren.li@biolinscientific.com, 谢谢！

我们真诚邀请您参加本次会议，感谢您对 QSense 的关注与支持！

大连理工大学生物工程学院

瑞典百欧林科技有限公司

会议主席 (Chairman):

Lingyun Jia	School of Bioengineering, Dalian University of Technolog

组委会 (Organizing Committee):

Jinxuan Liu	Institute of Artificial Photosynthesis, Dalian University of Technolog
Lulu Han	School of Bioengineering, Dalian University of Technolog

邀请报告人 (Invited Speakers):

排名不分先后，按姓氏首字母排序

Name	Unit	Topic
Fang Cheng	Dalian University of Technology,China	Bioconjugation Chemistry of His-Tag and its Applications in Biosensing and Enzymatic Catalysis
Nam-Joon Cho	Nanyang Technological University, Singapore	Emerging Approaches to Fabricate Supported Lipid Bilayers: Moving Beyond Vesicles
Changyou Gao	Zhejiang University,China	Surface Design of Biomaterials for Mediating Selective Cell Adhesion and Migration
Lulu Han	Dalian University of Technology,China	Tannic Acid Film for Label-free, Chemical Capture of Circulating Tumor Cells
Mikhael Levi	Bar-Ilan University,Israel	Emerging Innovations in Material Characterizations for Energy Storage and Conversion Using EQCM-D
Guangming Liu	University of Science and Technology of China,China	Tuning the Properties of Charged Polymers at the Solid/ Liquid Interface with Ions
Yonggang Meng	Tsinghua University,China	Adsorption of Nanoparticle Additives and its Effect on Boundary lubrication
Rui Miao	Xi'an University of Architecture and Technology,China	The Preparation of PVDF-coated Sensor Crystal and its Application in the Field of UF Membrane Fouling
Guangyan Qing	Dalian Institute of Chemical Physics, CAS, China	Biomimetic Ion Nanochannels for Sialylated Glycan Linkage Isomers Precise Discrimination
Xue Qu	East China University of Science and Technology,China	Protein Based Functional Materials
Rongxin Su	Tianjin University,China	Fabrication and Evaluation of Antifouling Surfaces for Biosensors
Chuyang Tang	University of New South Wales, Australia	Applications of QCM-D for Synthetic Membrane Research
Min Wang	Biolin Scientific AB,China	The Latest Application of QSense Quartz Crystal Microbalance Technology in Scientific Research
Shuguang Yang	Donghua University,China	Dynamic Assembly of Soft Polymer Complex Nanoparticles
Xiaoquan Yang	South China University of Technology, China	Interaction Mechanism of Food Protein Peptide Studied by QCM-D
Guangzhao Zhang	South China University of Technology, China	QCM-D Studies on Marine Anti-biofouling Materials

会议日程（**Meeting Agenda**）：

August 21 海创（大连）科技交流中心，六楼建国厅

Time	Schedule
8:00-9:00	Check In
9:00-9:20	Welcome Lingyun Jia, Dalian University of Technology, China Mattias Bengtsson, Biolin Scientific AB, Sweden
	Chair: Changyou Gao
9:20-10:00	O1: Guangzhao Zhang, South China University of Technology, China Topic: QCM-D Studies on Marine Anti-biofouling Materials
10:00-10:40	O2: Yonggang Meng, Tsinghua University, China Topic: Adsorption of Nanoparticle Additives and its Effect on Boundary Lubrication
10:40-11:00	Pose for Group Pictures, Coffee Break
	Chair: Yonggang Meng
11:00-11:30	O3: Rongxin Su, Tianjin University, China Topic: Fabrication and Evaluation of Antifouling Surfaces for Biosensors
11:30-12:00	O4: Guangming Liu, University of Science and Technology of China, China Topic: Tuning the Properties of Charged Polymers at the Solid/Liquid Interface with Ions
12:00-13:00	Lunch
	Chair: Guangzhao Zhang
13:00-13:40	O5: Changyou Gao, Zhejiang University, China Topic: Surface Design of Biomaterials for Mediating Selective Cell Adhesion and Migration
13:40-14:10	O6: Lulu Han, Dalian University of Technology,China Topic: Tannic Acid Film for Label-free, Chemical Capture of Circulating Tumor Cells
14:10-14:30	O7: Xue Qu, East China University of Science and Technology, China Topic: Protein Based Functional Materials
14:30-14:50	Coffee Break, Poster viewing
	Chair: Xiaoquan Yang
14:50-15:30	O8: Mikhael Levi, Bar-Ilan University, Israel Topic: Emerging Innovations in Material Characterizations for Energy Storage and Conversion Using EQCM-D
15:30-15:50	O9: Netanel Shpigel, Bar-Ilan University, Israel Topic: Accurate EQCM-D Measurements in the Fields of Energy Storage and Analytical Chemistry: Practical Guidelines
	Chair: Mikhael Levi
15:50-16:30	O10: Xiaoquan Yang, South China University of Technology, China Topic: Interaction Mechanism of Food Protein Peptide Studied by QCM-D
16:30-17:00	O11: Fang Cheng, Dalian University of Technology, China Topic: Bioconjugation Chemistry of His-Tag and its Applications in Biosensing and Enzymatic Catalysis
17:00-17:30	O12: Min Wang, Biolin Scientific AB, China Topic: The Latest Application of QSense Quartz Crystal Microbalance Technology in Scientific Research
17:30-	Dinner

会议日程（**Meeting Agenda**）：

August 22 海创（大连）科技交流中心，六楼建国厅

Time	Schedule
8:30-9:00	Check In
	Chair: Chuyang Tang
9:00-9:40	O1: Nam-Joon Cho, Nanyang Technological University,Singapore Topic: Emerging Approaches to Fabricate Supported Lipid Bilayers: Moving Beyond Vesicles
9:40-10:20	O2: Shuguang Yang, Donghua University, China Topic: Dynamic Assembly of Soft Polymer Complex Nanoparticles
10:20-10:40	O3: Guangyan Qing, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China Topic: Biomimetic Ion Nanochannels for Sialylated Glycan Linkage Isomers Precise Discriminatio
10:40-11:00	Coffee Break, Poster viewing
	Chair: Nam-Joon Cho
11:00-11:40	O4: Chuyang Tang, University of Hong Kong,China Topic: Applications of QCM-D for Synthetic Membrane Research
11:40-12:10	O5: Rui Miao, Xi'an University of Architecture and Technology,China Topic: The Preparation of PVDF-coated Sensor Crystal and its Application in the Field of UF Membrane Fouling
12:10-13:10	Lunch
	Chair: Shuguang Yang
13:10-13:30	O6: Yan Luo, Soochow University Topic: Synthesis of Glycopolymers with Specificity for Bacterial Strains via Bacteria-guided Polymerization
13:30-13:50	O7: Wenjuan Li, GRIMAT Engineering Institute Co., Ltd., China Topic: Applications of QCM-D for Gold Leaching Research
13:50-14:10	O8: Yifan Wang, Xi'an University of Technology Topic: Fouling caused by carboxyl or hydroxyl containing polysaccharides on PVDF and GO/PVDF membranes
14:10-14:30	Coffee Break, Poster viewing
	QSense User Section **Host: Vanilla Chen**
14:30-15:10	O9: Min Wang, Biolin Scientific China Topic: The Latest Application Progress by Chinese QCM-D Customers
15:10-15:30	O10: Lauren Li, Biolin Scientific China Topic: Marketing Updates
15:30-15:50	O11: Peter Shen, Biolin Scientific China Topic: New Modules and Sensors
15:50-16:30	Instrument Demo and Q&A

回　执

为了便于组织安排，请及早填写回执并邮件回传至瑞典百欧林科技有限公司。
会议地点：大连，海创（大连）科技交流中心，六楼建国厅
会议时间：2019 年 8 月 21-22 日（8 月 21 日 8:00 报到）
会议语言：英语 / 中文
注册费用：免注册费，交通住宿需自理
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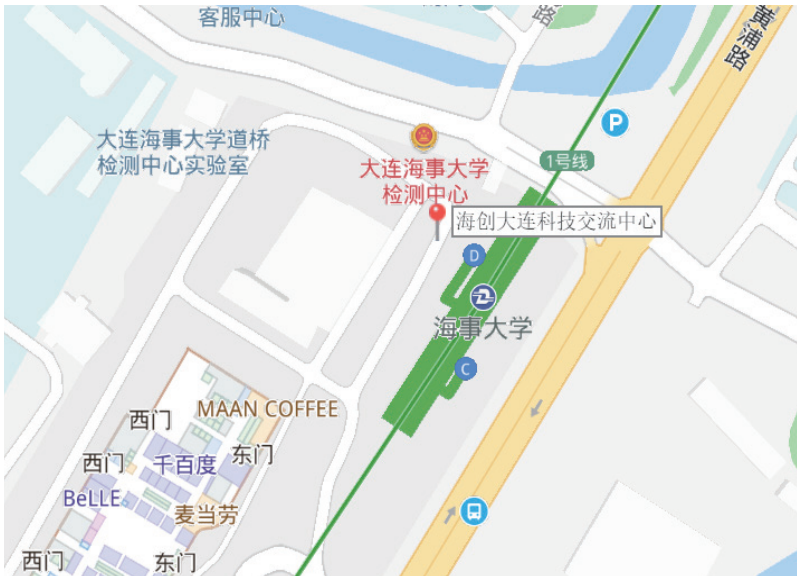

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会议合作宾馆：

海创大连科技交流中心（8.22 晚已满房），地址：大连市高新区黄埔路 507 号，电话：(0411) 6262 0777
酒店预定联系方式：李晓明，18618382402 。双床标间含单早 420 元 / 间 / 晚；含双早 480 元 / 间 / 晚。

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电话：(0411)39571616. 距离会议地址 1.9 公里，携程指导价格 RMB 404 起。
3. 海悦湾海景假日宾馆（大连万达广场店），地址：善水街 21–33 号 万达 SOHO 公寓 3 幢 1 单元 30 层，
电话：132 2428 1756，距离会议地址 450 米，携程指导价格 RMB 322 起。

温馨提示：8 月是大连旅游旺季，请大家及早预定酒店。如需通过会务组预定会议酒店则需要向会务组缴纳首晚的预付押金，按时入住后将原路返回至您的付款账户。