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BIT Group Global Ltd., China

#### Contact Us

For Speech Opportunity, Exhibition and Sponsorship

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*Dedicated to  
The Sustainability of  
World Chemistry and Biology*

# BIT's 10<sup>th</sup> WORLD CONGRESS OF CHEMISTRY & BIOLOGY 2019

Time: May 22-24, 2019

Venue: Barcelona, Spain



[www.bitcongress.com/wccb2019](http://www.bitcongress.com/wccb2019)



# BIT's 10<sup>th</sup> WORLD CONGRESS OF CHEMISTRY & BIOLOGY 2019

Theme: Toward Next Generation Chemistry World

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## Welcome Remark

Dear Friends and Colleagues,

On behalf of the organizing committee, we are pleased to announce that BIT's 10<sup>th</sup> World Congress of Chemistry & Biology 2019 (WCCB-2019), with the theme of "Toward Next Generation Chemistry World" will be held during May 22-24, 2019 at Barcelona, Spain

WCCB-2019 provides a unique opportunity for researchers, specialists and entrepreneurs to collaborate and share the latest discoveries and developments in chemistry and biology research, regarding analytical chemistry, nanoscience and technology, catalysis & bio-catalysis, chemical biology, organic & inorganic chemistry, quantum chemistry, agriculture, nutrition & food chemistry, green chemistry, natural products chemistry and chemistry for energy & resources.

In addition to the dynamic scientific program, you will benefit from the wonderful experience in Barcelona, Spain. We are looking forward to seeing you in Barcelona, Spain. We cordially welcome you to join us and witness the advances in Chemistry & Biology together!



Dr. Xiaodan Mei,  
Executive Chair of WCCB-  
2019 President, BIT Group Global Ltd.

Dr. Lixin Zhang,  
Co-Chair of WCCB-2019  
Director of State Key Laboratory of  
Bioreactor Engineering, East China  
University of Science and Technology

## Highlights

- Celebrations for 10<sup>th</sup> Anniversary of WCCB-2019
- Organizing Great Ceremony with 500 Participants
- Designing 70 Sessions of Scientific Forums, Symposia, Roundtables, Dialogs and Workshops
- Inviting Worldwide Distinguished Experts, Investors, and Decision Makers in the Areas of Chemistry & Biology for the Grand Thought Collision from 40+ Countries
- Shooting for 200 Oral Presentations and Hot Paper Briefing in Whole Spectrum of Chemistry & Biology Fields
- Multi-Zones of Poster Show and Exhibitions of New Finding
- 2-3 Interactive Events to Enhance the Professional Network and Matchmaking



## Conference Introduction

BIT's 10<sup>th</sup> World Congress of Chemistry & Biology 2019 (WCCB-2019), with the theme of "Toward Next Generation Chemistry World" will be held during May 22-24, 2019 at Barcelona, Spain. This unique international conference creates a great platform to researches, scientists, academicians and industry experts to share experiences, discuss research findings and acquire the desired knowledge for practical exercise. WCCB-2019 is a dedicated event where you will have the opportunity to learn about new developments in the field of chemistry & biology, and share aspects of your own work. With the participation of outstanding international experts, we hope productive discussions would stimulate new creative ideas to translate new discoveries into better practice and application. During the 3 days conference, a series of activities such as Scientific Program, Exhibitions, Posters and Project Matchmaking etc. will be set up.

**3 DAYS | 70 SESSIONS | 200+ Global Participants | 150+ Oral Presentations | 100+ POSTERS**

## Program Layout

### Forum 1: Analytical & Bioanalytical Sci-tech

- Session 1-1: Cutting-edge Analytical Technologies
- Session 1-2: Biomedical Mass Spectrometry and Innovative Methodologies
- Session 1-3: Next Generation Chromatography
- Session 1-4: Emerging and Terahertz Spectroscopic Technologies
- Session 1-5: Next Generation NMR & MRI Technologies
- Session 1-6: Hot Topics in Contemporary Crystallography
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- Session 1-7: Lab-on-Chip, Micro-/Nanofluidics, and Smart Sensors
- Session 1-8: Electroanalytical Chemistry
- Session 1-9: Microscopy and Imaging Technology
- Session 1-10: HT Bioanalysis for OMICS Research
- Session 1-11: Environment and Security Analysis

### Forum 2: Nanoscience and Nanotechnology

- Session 2-1: Nanochemistry and Nanomaterials
- Session 2-2: Smart Nanomaterials and Fabrications
- Session 2-3: Applications of Nanomaterials and Nanotechnology
- Session 2-4: Emerging Nanobiomaterials and Bionanotechnology
- Session 2-5: Nanoelectronics, NanoOptics, NanoPhotonics and Nanomagnetism
- Session 2-6: Nano Robots and Nano Devices
- Session 2-7: Fabrication, Characterization and Nanoengineering of Smart Nanomaterials
- Session 2-8: What's Next in Nanomedicines
- Session 2-9: Nanomaterials for Energy & Environment

### Forum 3: Catalysis & Bio-catalysis

- Session 3-1: Breaking Research of Catalysis
- Session 3-2: New Theory and Mechanisms of Catalysis
- Session 3-3: Catalytic Reactions, Robust Catalysts, and Novel Technologies
- Session 3-4: Highly Efficient Catalysis for Organic and Bio Synthesis
- Session 3-5: Green Catalysis
- Session 3-6: Innovated Catalysts for Environment, Energy and Industry

### Forum 4: Disruptive Technology in Chemistry

- Session 4-1: AI, Machine Learning in Chemistry
- Session 4-2: Emerging Disruptive Innovations in Chemical Industry
- Session 4-3: 3D、4D Printing in Material Science and Life Science
- Session 4-4: Flow Chemistry

### Forum 5: Chemistry for Life

- Session 5-1: Smart Materials for Life Science
- Session 5-2: Chemistry in Synthetic Biology
- Session 5-3: Combinatorial Chemistry and Solid Phase Synthesis
- Session 5-4: Clinical Chemistry
- Session 5-5: Forensic Chemistry and Trace Evidence, and Forensic DNA

### Forum 6: Chemical Biology

- Session 6-1: Structural Biology, Chemistry in Drug Design and Discovery
- Session 6-2: Chemistry in Silico and Molecular Imaging
- Session 6-3: Biotherapy Medicinal Chemistry

### Forum 7: Novel Organic & Inorganic Chemistry

- Session 7-1: Bioorganic and Biochemistry
- Session 7-2: Chiral Chemistry and Asymmetric Catalysis in Advanced Organic Synthesis
- Session 7-3: Challenging Macromolecular and Super molecule Chemistry
- Session 7-4: Inorganic Materials and Nanoparticles

Forum 8: Theoretic Chemistry, Quantum Chemistry and Biology

Session 8-1: New Quantum Theory, Methods, Mechanics in Chemistry and Computational Chemistry  
Session 8-2: Novel Technologies in Physical and Biophysical Chemistry  
Session 8-3: Hot Topics in Quantum Biology  
Session 8-4: Quantum Dots, Quantum Polymers, Materials and Nano/Sub-Nanostructure

Forum 9: Agriculture, Nutrition & Food Chemistry

Session 9-1: Greener Chemistry for Sustainable Agriculture and Pesticides  
Session 9-2: Chemistry of Macronutrients,Overnutrition, and Malnutrition  
Session 9-3: Food Quality Control and Chemistry

Forum 10: Chemistry for Energy & Resources

Session 10-1: Electrochemistry and Energy Storage and Conversion  
Session 10-2: Chemistry and Nuclear Energy  
Session 10-3: Intelligent Materials and Renewable Energy  
Session 10-4: Innovative Petroleum Chemistry

Forum 11: Green Chemistry and Environment

Session 11-1: Next Generation Environmental Technologies  
Session 11-2: Novel Green Chemical Reactions  
Session 11-3: Green Chemistry for Clean Air, Clean Water and Clean Productions  
Session 11-4: Robust Pharmaceutical Chemistry

Forum 12: Natural Products Chemistry

Session 12-1: Natural Products and Heterocyclic Chemistry  
Session 12-2: Improving Synthesis of Bioactive Natural Products or Natural Medicine  
Session 12-3: Plant and Microbial Natural Product Chemistry

Forum 13: Special Topics

Session 13-1: AI in Chemistry  
Session 13-2: Lab Digitalization, Chemoinformatics and Bioinformatics  
Session 13-3: Sex and Age Equality in Chemistry World  
Session 13-4: Chemistry under Extreme Conditions  
Session 13-5: Future Chemistry Convergence

Forum 14: Doctoral Chemist Consortium

Session 14-1: Young Synthetic Chemist Forum  
Session 14-2: Young Biochemistry  
Session 14-3: Young Functional Material Chemist Forum  
Session 14-4: Bioanalysis in Drug Discovery

Forum 15: Chemistry Education

Session 15-1: Chemistry History and Heritage  
Session 15-2: Research on Improving Chemistry Education  
Session 15-3: Smart Classroom and Smart Teaching  
Session 15-4: Women Leadership Education

PROGRAM DESIGN

Plenary Lectures

Opening Ceremony

Keynote Forum

Day 1: Plenary Keynote Forum 1  
Day 2: Plenary Keynote Forum 2  
Day 3: Life Spring Forum

Ice-Breaking Party & Opening Ceremony

Parallel Forums

Forum 1 Analytical & Bioanalytical Sci- tech	Forum 2 Nanoscience and Nanotechnology	Forum 3 Catalysis & Bio-catalysis
Forum 4 Disruptive Technology in Chemistry	Forum 5 Chemistry for Life	Forum 6 Chemical Biology
Forum 7 Novel Organic & Inorganic Chemistry	Forum 8 Quantum Chemistry and Biology	Forum 9 Agriculture, Nutrition & Fo Chemistry
Forum 10 Chemistry for Energy & Resources	Forum 11 Green Chemistry and Environment	Forum 12 Natural Products Chemisti
Forum 13 Extremophilic Chemistry	Forum 14 Doctoral Chemist Consortium	Forum 15 Chemistry Education

Poster Sessions and Exhibition

Zone A: Academic Chemistry Posters	Zone C: Innovative Analytical Equipmen
Zone B: Industrial Chemistry Posters	Zone D: Chemical Tech and Custom Servic

Social Activities and Cultural Events

Networking White Party	Welcome Banquet
Industrial Sponsored Social Dinner	Meet with Mentor
Closing Ceremony	Post-Congress Tour

## RENOWNED SPEAKERS OF PAST EVENTS



**Dr. Krzysztof Matyjaszewski**

Professor, Carnegie Mellon University, USA



**Dr. Flora Ng**

University of Waterloo, Canada



**Dr. Marc Taillefer**

President of the Organic Chemistry Division of the French Chemical Society; Executive Vice-president, the French Chemical Society, France



**Dr. Jiujun Zhang**

Professor, Shanghai University, China



**Dr. Richard D. McCullough**

Professor & Vice Provost for Research, Harvard University, USA



**Dr. Jae Woo Lee**

Professor & Head, Department of Chemical & Biomolecular Engineering, KAIST, South Korea



**Dr. Irene Lo**

Professor, The Hong Kong University of Science & Technology, Hong Kong, China. Fellow of Hong Kong Green Strategy Alliance. Fellow of Hong Kong Institution of Engineers.



**Dr. P. Andrew Evans**

Alfred R. Bader Chair in Organic Chemistry and a Tier 1 Canada Research Chair, Queen's University, Canada



**Dr. Holger Braunschweig**

Chair, Institute of Inorganic Chemistry, University of Würzburg, Germany



**Dr. Buxing Han**

Professor, Institute of Chemistry, Chinese Academy of Sciences, China



**Dr. Steve Golden**

Chief Technology Officer and Vice President, Clean Diesel Technologies, Inc., USA

## BIT's 10<sup>th</sup> World Congress of Chemistry & Biology 2019

<http://www.bitcongress.com/wccb2019/>

HOSTING ORGANIZATION



BIT Group Global Ltd

### WE ARE CALLING FOR...



SAB MEMBERS



PARTICIPANTS



POSTERS



MEDIA PARTNERS



SPEAKERS



SESSION CHAIRS



SPONSORS



### WHY DO YOU SPONSOR THIS EVENT?

Because WCCB-2019

Will offer a variety of conference and networking formats including: plenary sessions, parallel sessions, and a sociable banquet reception. Will present your products & services and provide a sponsorship package which is best suited to your marketing objectives and your preferred communication style.

Will also deliver an excellent marketing and networking opportunity.

### EXHIBITION AND POSTER

This conference provides an unparalleled marketing opportunity for your company in order to get connection with industry decision-makers. Exhibiting at the right exhibition can be one of the most efficient, effective and successful marketing activities available to you.

Exhibition Guidelines:

- Standard Exhibition (3m\*2m)
- Name of Lintel Board
- One Table and Two Chairs

There will be a poster area around conference rooms and every attendee has the same opportunity to apply for a poster for your research result display. Young scientists and students are welcome to apply for these poster opportunities.

Poster Guidelines:

- The regular poster size is 70cm wide x 90cm high.
- The text should be black and single spaced so that visitors can see it clearly from outside



Display Date: May 22-24, 2019



## HOW TO BE A SPEAKER & POSTER PRESENTER?

Speakers are carefully selected to represent a diversity of experience, personalities, ideologies, and viewpoints. These speakers will be renowned experts who have demonstrated outstanding thought, influenced innovation achieved success in their Chemistry& Biology research efforts. If you would like to submit a proposal to give a presentation or display a poster at this congress, please send us an abstract and brief 3-5 sentences summary of a proposed topic on your recent work in the area of Chemistry& Biology.

### ☆ KEYNOTE SPEAKER

Keynote speakers present the first session or key session at the conference and receive the highest billing in all event marketing. Their role is to open the conference with a high-level speech that sets the tone for the whole event.

### ☆ MODERATOR

A moderator is required to introduce Keynote Speakers, ask them a series of pre-prepared questions in a “chat show host” style, encourage audience participation, fielding questions from the floor, whilst keeping the whole keynote forum to allocated time.

### ☆ CHAIRMEN

A chairman's role is to make a few opening remarks at the start of the sessions and symposium, introduce each speaker, field questions from the audience (asking a couple of his/her own if there are none from the floor) and keep everything to time. Chairman will be asked to make announcements to delegates and they remain on/near the stage throughout the day.

### ☆ SESSION SPEAKERS

Individual speakers are required to prepare a 20 – 25 minutes presentation, with slides. They will be introduced by the chairman and then allowed to speak, free of interruption, for the allocated time slot, allowing for 5-10 minutes of questions from the audience at the end (which the chairman will facilitate).



## WHAT WE WANT FOR MEDIA

### MEDIA PARTNERS

We cordially invite Society/Press/Journal as one of our media partners to this grand campaign. We believe WCCB 2019 will definitely help connecting your organization and your members with the key players in the vaccine field.

Your assistance in promoting this important conference would be greatly appreciated by any of the following means:

- \* Displaying Conference promotional material by either inserting a copy of the preliminary announcement into the delegate pack or allowing us to display copies on a "Future Meetings" table.
- \* Forwarding us the email list of your members/delegates or sending an email on our behalf.
- \* Allowing us to link our website to your society/conference website. We would certainly provide the same in return.



## WHAT WE WANT FOR POSTERS

### CALL FOR POSTERS

All registrants for the above sessions are eligible to submit a Conference Poster. The Poster Sessions offer you a unique opportunity to have your scientific research projects displayed and viewed by your peers, look over others' work, and exchange opinions with your fellow participants. Attendees may view and discuss the Posters and leave messages for the authors. The posters will be displayed for the duration of the event, allowing maximum visibility of your research studies. Posters must relate to the Conference and Exhibition theme and should illustrate novel science and technologies. Researchers with new results or patents are encouraged to apply. Individuals will be selected to give an oral presentation.

### WHY PRESENT YOUR RESEARCH POSTER AT WCCB 2019 :

Your poster will be exposed to senior level executives, decision-Maker, research scientists and clinicians involved in Chemistry& Biology research space from major academia, industry and government. Your poster abstract will be printed in our conference proceeding and the title of the poster will be shown on the conference website.



## YOUR BENEFITS

Entrepreneurs | Academic Experts | Researchers | Technology Innovators | Media Editors

This conference is the platform for you to access the right people, to showcase your products/technology and services to key decision makers and leaders through sponsorship. It will present a myriad of opportunities that will help, not only to achieve your corporate goals but also to expand your business and will do wonders for your bottom line.

- Be among the Elite and be Seen by Leaders in the Industry
- Create awareness for your latest products/technology and services
- Enhance and build on your company's brand equity
- Meet the people who matters
- Build new business relations and partnerships
- Expand your business globally



## WHAT WILL YOU GET WHEN YOU JOIN US?

- Learn from top level speakers
- Uncover new opportunities and generate leads
- Gain access to your target market
- Integrate with the outsourcing and operations community
- Enhance your brand and market position
- Showcase your products and service