



# mspeaks

VOICE OF  
CUSTOMERS

50<sup>th</sup>  
MS anniversary  
1970-2020

Celebrating 50 Years  
of MS Innovation



**Realizing our wishes for the  
well-being of mankind and the earth**

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# PROLOGUE

The year 2020 marks 50 years since the release of Shimadzu's first Mass Spectrometry (MS) device, the LKB-9000. Over the past half century, our passion for innovation has led to multiple ground-breaking developments in MS technology.

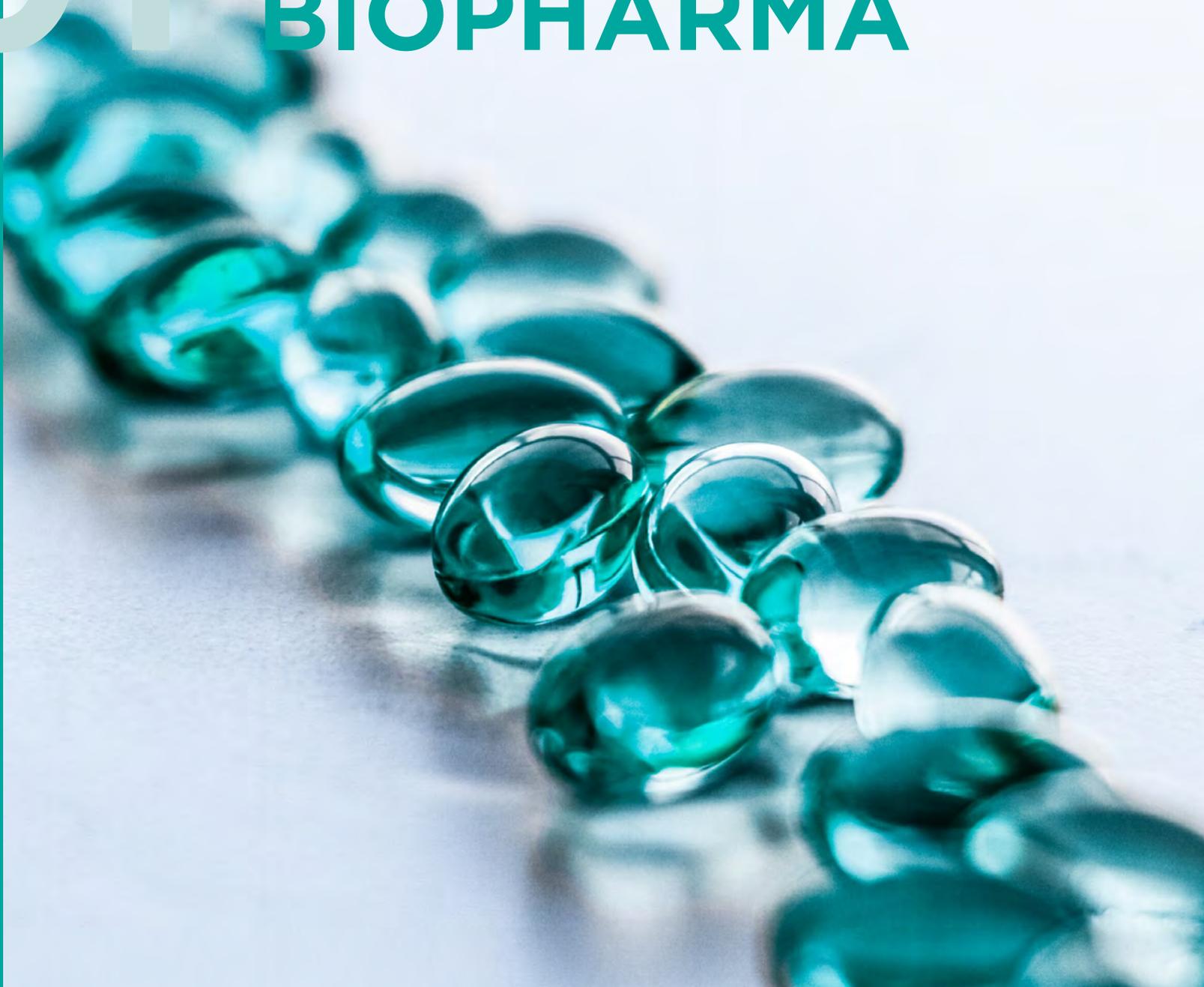
It is our privilege to have worked with researchers and scientists globally for different application segments and technologies. Celebrating and honouring this beautiful journey of science, here are some candid words from leaders in Mass Spectrometry.

*Excellence in Science* reflects our desire and attitude to diligently respond to customers' requirements, across technologies and industries. We have continuously evolved our MS technologies and software platforms to help researchers see more, understand more and provide better solutions.



**50<sup>th</sup>**  
**MS anniversary**  
**1970-2020**

# 01 PHARMA & BIOPHARMA



***“Shimadzu is a preferred partner for all our bio analytical requirements, due to excellent sensitivity, speed and reproducibility, offered by its innovative UFMS Technology.”***

**Ms. Bindi Chudgar**  
 Managing Director  
 Lambda Therapeutic Research, India



Our journey with Shimadzu began in 2000, with first standalone HPLC with UV detector and year by year we added more HPLC's. In continuation of same confidence in Shimadzu's new **innovative technology**, in 2012, we had added Shimadzu LCMS-8040 Triple Quadrupole Mass Spectrometer with UFMS technology, the first Shimadzu Mass spectrometer in Indian CRO market. Today, with more than ten Shimadzu Triple Quadrupole Mass Spectrometers in our lab, comprising of LCMS-8040, 8045 and 8060, Shimadzu is one of the **preferred partners for all our Bio analytical requirements**, because of the **excellent sensitivity, speed and reproducibility** offered by their instruments, with the innovative **UFMS Technology**. Shimadzu's instruments are highly **robust, reliable and versatile**, and are well **built to cater to the demanding needs** of our organization.

Congratulations to Shimadzu for achieving the milestone of 50 glorious years of **leading innovation in Mass Spectrometry** & and have built eminent goodwill in the community! We **really appreciate the service and technical support** provided by the Shimadzu & channel partner Spinco Biotech. Wishing you many more years of unparallel success and unrivalled corporate services. We look forward to a continued collaboration with Shimadzu.



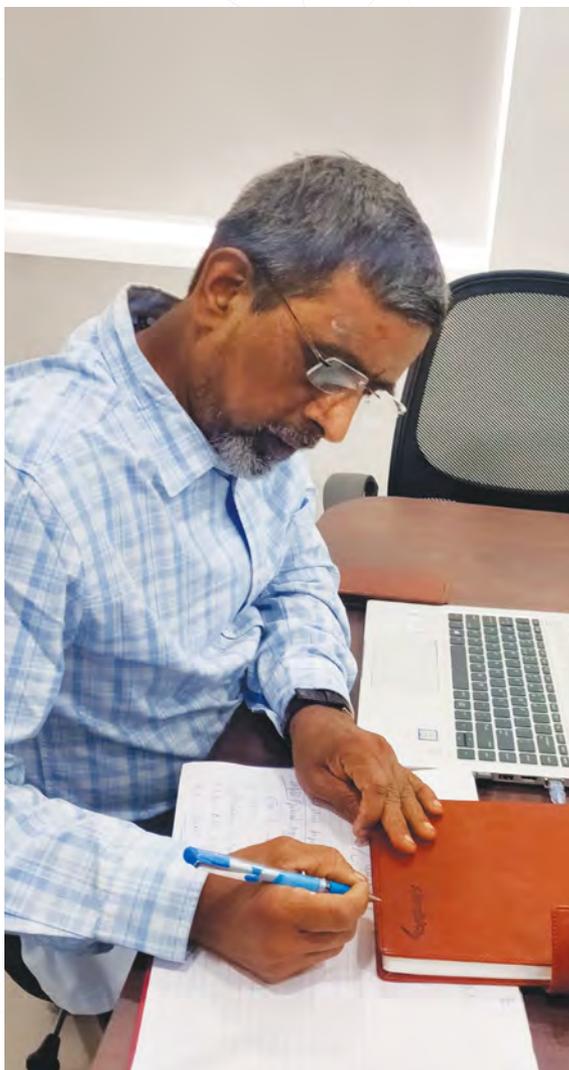
## Exonate Team United Kingdom



Exonate started its collaborations with Shimadzu since 2017 with the Shimadzu LCMS-8050 liquid chromatography mass spectrometer. A two-day training session along with on-site training during instrument installation was enough to get the system up and running and for us to start **producing data incredibly quickly**.

Advanced guidance provided on-site by a Shimadzu LCMS technical specialist provided further advances to our applications and helped streamline our processes. The LCMS is used primarily to detect and quantify our small molecule compounds via multiple reaction monitoring (MRM) in a set of screening assays. As such, **the contribution of the LCMS to our rapid progress towards clinical trials has been pivotal**. For Exonate, the ability to **rapidly and accurately quantify** and screen compounds in a **reliable and easy to use high performance LCMS** system has been hugely beneficial. We routinely run around 200 injections every day with a sample run-time of 5 minutes. The input and guidance of the Shimadzu specialist technical & scientists and **high level of support with rapid response times** from the **Shimadzu engineering team has been outstanding**.

***“In over 3 years of operation we have needed only 3 small repairs, demonstrating the robustness and reliability.”***



Kudos to Shimadzu for completing 50<sup>th</sup> anniversary with enlightening progressive advance passage in Mass Spectrometry technologies!

Classic progressive humanity care of 113 year old Alembic Pharmaceuticals Limited with Human Health care service of global market leader in use of analytical technological instruments of Shimadzu Corporation by way of since last 25 years.

We at Alembic have been using the Shimadzu LCMS-8060, 8050, 8045 and 8040 Triple Quadrapole MS models in our labs for analysing Unknown to Known in terms of identification to trace level (ppb) quantification of chemical impurity and certainly setting up reference markers by way of profiling through high end LC-MS instruments of UFMS Technology.

As per our experience, Shimadzu Triple Quadrapole Mass Spectrometers are found to be most sensitive and specific for trace level identification and quantification of all Nitrosamine Impurities in all ARBs.

In addition to the above said MS instruments with frontend Nexera UHPLCs embedded with integrated Lab solution network connectivity, have eased the data analytics with encompassed compliance data integrity.

As said **Shimadzu high end MS instruments have unparalleled capability of technical competency pertaining to high degree sensitivity and pivotal accuracy of analytical data.**

Best wishes to Shimadzu MS technology with thrive interface Spinco [India] for their continuous progressive analytical technology journey towards centenary milestones.

**Dr S K Balaji**

Head - Analytical Development (API), Alembic, India



LCMS



We have found Shimadzu LC-MS/MS systems to be **highly sensitive** and extremely suitable for **sub ppm level determination of N-Nitrosoamines** in Sartans and non-ARB medicines.

We really appreciate the efforts that Shimadzu puts in to consistently introduce Innovative Products and Technologies to set **high standards** for the pharmaceutical industry.

Shimadzu's Service Support is **extraordinary and proactive.**

***“Shimadzu is a name you can trust”***

**Dr Saji Thomas**

Head- R&D-API, R&D Centre,  
Jubilant Generics Limited, Noida, India

## Dr Volker Bornemann

President and CEO,  
Avazyme, Inc.,US



Shimadzu has been **pivotal to our research and the services** we provide to our customers. We **can rely on the ruggedness, performance, accuracy and outstanding capabilities** of the Shimadzu instruments and equipment, as well as the **expertise, knowledge, and fast service** that we experienced from the Shimadzu staff. The **robustness** and accuracy of the hardware, **the unique and innovative features**, and the **flexibility and knowledge of the entire Shimadzu staff**, makes **Shimadzu one-of-our-most important business partners**. Shimadzu offers an honest value proposition, that is not over-priced and not over-stated.

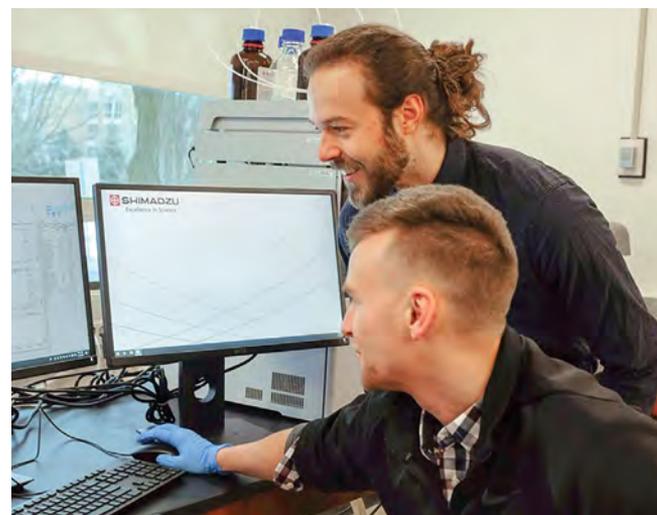
***“We can rely on the ruggedness, performance, accuracy and outstanding capabilities of Shimadzu instruments.”***

# 02 CLINICAL & FORENSICS



***“Shimadzu’s support has helped us establish collaborative research agreements.”***

My lab examines the concentration of drugs in biological samples and neurotransmitters levels in blood and brain tissue. We have **worked closely with Shimadzu for around the past 10 years**. Working with Shimadzu, we first established a core research lab on an academic campus. We **expanded that relationship** into forensics. Shimadzu **tech support** has assisted in developing new methods in our lab and has further **assisted us in establishing collaborative research** arrangements. **What I like most about Shimadzu is the support provided by team Shimadzu.**



BGSU Forensics Jon Sprague Standing with Grad Student seated.

**Dr Jon E Sprague**

RPh, PhD, Director of Science and Education for the Ohio Attorney General and BCI Eminent Scholar, US



***“Shimadzu understands our needs and has worked to ensure that they are fulfilled.”***



In 2013, Thyrocare took baby steps to introduce Shimadzu LCMS solution in Clinical Chemistry. With time the LCMS has helped us to introduce more and more assays including Vitamins D2/D3, A, E &K, Vitamins B complex, Steroid Hormones, Amino Acids and Newborn Screening etc. Today we run **over 1,200 samples every day on six Shimadzu LCMS platforms** and are confident that this number would increase further.

The system itself is **robust with an impressive sensitivity and specificity** and has become **a workhorse harnessed by the applications and service support** of Shimadzu.

We sincerely appreciate the support provided by Shimadzu more as a partner as they **understood our needs** and worked to ensure that this was fulfilled culminating in multiple units at Thyrocare. Congratulations to Shimadzu for achieving the milestone of

**50 years of leading innovation in Mass Spectrometry!**

We look forward to a **continued association** with Shimadzu.

**Dr Arokiaswamy Velumani**

Managing Director  
Thyrocare, India

**Professor (Dr) Daniel W Chan**

Director, Clinical Chemistry Division,  
Johns Hopkins University School of Medicine, US



***“Shimadzu mass spectrometers with ultra-fast acquisition and polarity switching speeds along with exquisite sensitivity at such ultra-fast speeds have proven to be extremely reliable instruments for new clinical diagnostic assay development.”***

Shimadzu has provided our labs with **exceptional tools** for both our discovery efforts as well as new clinical assay development. We are **most impressed with the reliability** of Shimadzu instrumentation. These state-of-the-art instruments are our **laboratory workhorses**. The Shimadzu LCMS-8040 and LCMS-8050 triple quadrupole mass spectrometers in our labs have proven to be **extremely reliable** instruments for new clinical diagnostic assay development.

Shimadzu has engineered mass spectrometers with **ultra-fast acquisition and polarity switching speeds**, yet exquisite sensitivity at these ultra-fast speeds. This uncompromised solution enables greater assay throughput and drastically reduced assay development times. Additionally, we have found Shimadzu to provide **excellent technical and service support** which **has kept our labs operating at peak efficiency**. I am also very impressed with the CLAM clinical lab automation module. This is exactly the type of liquid handling sample preparation integration that clinical laboratories need.



LCMS



GCMS

## Mr Jiang Yong

Senior Engineer,  
Evidence Identification Center,  
Tianjin Public Security Bureau, China



Over the past **four decades and more**, we have built an inextricable bond with Shimadzu. It is a practice passed down from my teacher in the 1970s. We have been **trusting** and using Shimadzu's products all these years because we have been **deeply impressed by its emphasis on the design concept and product quality**. Besides, the customer service, **timely maintenance and quick response** to malfunction reports have allowed us to maximise the use of instruments at work and have helped us a lot in handling complex and challenging tasks.

We are using Shimadzu's serial products GC, GCMS, LCMSMS, ATLAS and vehicle-borne GCMS products in the testing and investigation of major and extraordinary cases for several years. We are **looking forward to an even closer cooperation with Shimadzu**. Shimadzu's products not only facilitate our daily examination and identification, but also help us further in resolving difficult cases and **achieving scientific research breakthroughs**.

***“We share an inextricable bond with Shimadzu.”***

***“Alsachim reagent kits along with Shimadzu MS instruments helps us to rapidly reduce our response time to patients.”***

We have been using Shimadzu HPLC for a long time for analysis of biochemical markers or for drugs dosages. We started our collaboration 7 years ago with Alsachim, which is now a Shimadzu group company. We were able to **resolve a lot of our problems** and make our **analyses simplified and faster** by using Alsachim’s immunosuppressive reagent kits (Dosimmune and Dosimyc) along with Shimadzu LC-MS/MS analyses.

We **especially appreciate the automatic sample processing** provided by the Shimadzu’s CLAM. This allows us to **further reduce our response time** and thus better follow up with our patients. This time saving enables our team to **develop multiple methods** on Shimadzu LCMS-8050 and 8060. We would like to thank Alsachim’s **advice and expertise in manufacturing** labelled molecules that help provide us **accurate results**.



**Dr Véronique Kemmel**

Laboratory of Biochemistry and Molecular Biology, University Hospitals of Strasbourg, France

### Professor (Dr) Pierre Marquet

Head, Pharmacology, Toxicology and Pharmacovigilance  
Department, University Hospital of Limoges, France



Our most urgent development needs are in clinical and forensic toxicology, and so the LCMS-8050 is used to develop techniques for drugs of abuse, detection and determination. When I think of Shimadzu instruments, **sensitivity and robustness** are the first 2 objectives that come to my mind. The sensitivity of Shimadzu's instruments **saves much time**, as it is **not necessary to concentrate the samples anymore**. Also, dilution reduces matrix effects, which is a good thing.

With Shimadzu, we have established a **strong relationship for a long time based on trust** and many other positive factors. Not only are Shimadzu MS instruments robust and sensitive, the **reliable after-sales service distinguishes Shimadzu from its competitors**. Furthermore, **our lab technicians can easily use the different instruments** because of the **common software** for Shimadzu HPLC, GC-MS and LC-MS/MS.

***“Not only are Shimadzu MS instruments robust and sensitive, the reliable after-sales service distinguishes Shimadzu from its competitors.”***



Shimadzu is **well-known** in the industry for R&D and production of MS instruments. The collaboration between Shandong MS Biotechnology and Shimadzu can be described as an **alliance between giants**. We have finished development for four IVD diagnostic reagents using the mass-spectrometer platforms provided by Shimadzu, and the company plans to continue to use these platforms for the development of diagnostic reagents for hormones, cholic acid, etc. In the future, **we will further explore in-depth partnerships with Shimadzu**, and are committed to more **comprehensive implementation of Shimadzu's MS technology** in the clinical field, especially for tests of vitamins, amino acids and hormones. We will complement each other's advantages and realize resource sharing to better improve customer satisfaction and achieve a **win-win** mutual growth.

***"Collaboration between us and Shimadzu can be described as an alliance between giants."***

**Mr Zhang Jigang**  
Vice-General Manager,  
Shandong MS Biotechnology Co., Ltd.



***“We have been able to shorten the turn-around-time drastically by using CLAM-2030 hyphenated to a LCMS-8045 MS/MS detector.”***



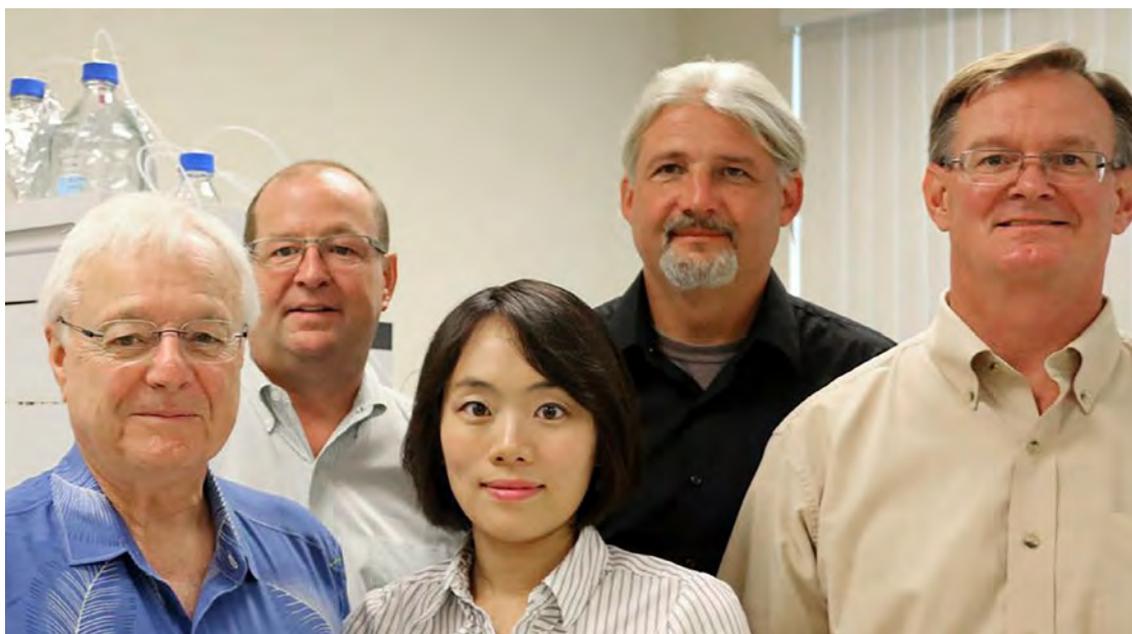
Most of our deuterated isotopes and analytical standards are obtained from Alsachim, which is now a Shimadzu company. Additionally, in order to **optimise the technician time**, we are using Shimadzu’s CLAM-2030 hyphenated to a LCMS-8045 MS/MS detector. Using the CLAM automated pre-analytical system, allows us to **easily manage the entire TDM activity** with only 1 technician. We have been able to **shorten the turn-around-time**, between sample receipt and result communication to the physicians, drastically.

The Shimadzu team has been **extremely helpful**, especially during the transposition of our manual extraction processes to the CLAM-2030 system. Our technician is now also able to **program new extraction methods** on this apparatus. We are currently developing the assay for a dozen supplemental antibiotics, directly on this equipment, in order to **increase our output**.

### **Pharmacology Department**

Paris Seine Saint-Denis  
University Hospitals, France

**Mr Fred E Regnier**  
CEO, Novilytic, US



Dr. Fred Regnier far left and team at Novilytic.

We develop and supply process monitoring technology to Big Pharma. We have been using Shimadzu instruments for the past 30 years, including Shimadzu LC and LC-MS instruments. Shimadzu instruments are extremely robust and always state-of-the-art.

***“Shimadzu instruments are extremely robust and always state-of-the-art.”***



## Mr Wang Yongsheng

Director of GCP Center,  
West China Hospital, China



Shimadzu is a company that **has a great legacy**. We share a very cordial **friendship** with Shimadzu. Since the past 20 years, although Shimadzu has been launching a huge number of products from generation to generation, what has remained unchanged every time is Shimadzu's **commitment to providing the best services** to the GCP center. The GCP center's clinical pharmacology research lab built a deep collaboration with Shimadzu ever since its foundation.

The lab is equipped with Shimadzu's LC-10, LC-2010, Nexera X2 series and LCMS-8060, helping in TDM, DMPK and drug metabolism research. The introduction of IMScope MS has further aided in qualitative and location research, tumor markers research, pathological research and provides new technical means for experimental research combined with clinical treatment.

With years of cooperation and long-term collaboration, we hope that Shimadzu will continue to develop more **advanced analytical instruments**, as always.

***“Over the years, what has remained unchanged is Shimadzu’s commitment to providing the best services to the GCP center”***

***“We found Shimadzu’s attention to details in its design to be of excellent standard. Efficiency of designing electronics, for instance to squeeze most of the system, is very impressive.”***

We use Shimadzu’s LCMS-8060 for **quantitative measurements of very potent opioids** and their analogues. **We need sensitivity** to measure them at relevant concentration in very messy postmortem samples. The **instrument has functioned very well** at performing this task. We found **Shimadzu’s attention to details** in its design, whether its instrument design, source design and function, electronics design, analyser design etc, to be of **excellent standard. Efficiency of designing electronics**, for instance to squeeze most of the system, is **very impressive**. There has been a **widespread confidence and acceptance of Shimadzu’s basic designs**. Shimadzu instruments are **reliable and stable** and buying them certainly makes for a **good value for money**. The customer support and service are the second most important aspect for us while buying the instrument. Our lab has received **excellent support for both instrument maintenance and application development from Shimadzu**.



**Dr George W Hime**

Assistant Laboratory Director,  
Miami-Dade County Medical Examiner Department, US

# 03 RESEARCH





## Dr Ruth Gordillo

Associate Professor,  
UT Southwestern Medical Center, US



My journey with Shimadzu has been a **tremendously positive experience** regarding career growth, providing the **right tools for our research purposes and the success of our projects**. Shimadzu has **knowledgeable sales representatives, excellent customer support** and scientific consultants. They support their instruments for many, many years including software, that is a very, very nice thing to do for your customers in the era of programmed obsolescence. Thank you, Shimadzu, for the **collaborative opportunities** and for keeping the excitement about endless possibilities, endless solutions.

***“Endless possibilities, endless solutions”***



***“We are a partner laboratory of Shimadzu and have made great achievements in mass spectrometry.”***

Shimadzu’s **excellent instrument performance** and **high-quality technical service** ensure the maximum output of results. We would like to vouch for the **multi-level, high-resolution qualitative capability** of element composition of LC/IT-TOF and the **sensitivity and stability** of LCMS-8060 and are **very satisfied with the overall technical services** of Shimadzu.

We hope that Shimadzu will launch more high-quality products and techniques to meet multiple user requirements and to support the global scientific research. **We are a partner laboratory of Shimadzu** and are engaged in the research of natural pharmaceutical chemistry and organic and biological mass spectrometry, as well as the derivative synthesis of natural products. We have made great achievements in the field of mass spectrometry.



**Mr Pan Yuanjiang**

President, College of Pharmaceutical Sciences,  
Zhejiang University, China



## Professor (Dr) Professor Kevin A Schug

Shimadzu Distinguished Professor of Analytical Chemistry,  
Department of Chemistry and Biochemistry,  
The University of Texas at Arlington (UTA), US



My interactions with Shimadzu began way back in 2000, when I completed my dissertation in Virginia Tech on using a Shimadzu QP-8000a single quadrupole mass analyser. In 2007, when I joined the faculty at the University of Texas at Arlington, we acquired an LCMS-IT-TOF through the **Shimadzu Equipment Grants for Research Program**. Soon after, we established the **Shimadzu Center for Advanced Analytical Chemistry** and the **Shimadzu Institute for Research Technologies at UTA**. We have had access to a large suite of analytical instruments and have developed a core set of analytical techniques based on Shimadzu GC-MS, Headspace, GC-FID/BID ICP-OES analyses. We could not do any of this work without Shimadzu's instruments. Not only that, the **unique high-performance** features of many of the systems we use enable us to **do some things that would be very difficult for others**. I have also found **Shimadzu service to be the most helpful and reliable**.

***“The unique high-performance features of many of the Shimadzu systems (such as Mass Spectrometers), have enabled us to do things that would be very difficult for others to do.”***



Shimadzu has provided the **most reliable and sensitive mass spectrometers, HPLC and UHPLC systems** for **training the next generation of mass spectrometrists** while simultaneously **enabling state-of-the-art biomedical research**. When a fire in a nearby lab temporarily shut down my laboratory and our mass spectrometry center, **Shimadzu was first on the scene to help us** resume our research and teaching. Shimadzu chromatography and mass spectrometry systems are **exquisitely engineered to deliver superior performance and reliability**. All the folks at Shimadzu are approachable and **eager to help answer our technical and scientific questions**.

### Dr Richard B van Breemen

Professor of Pharmaceutical Sciences,  
Director Linus Pauling Institute,  
Oregon State University, US



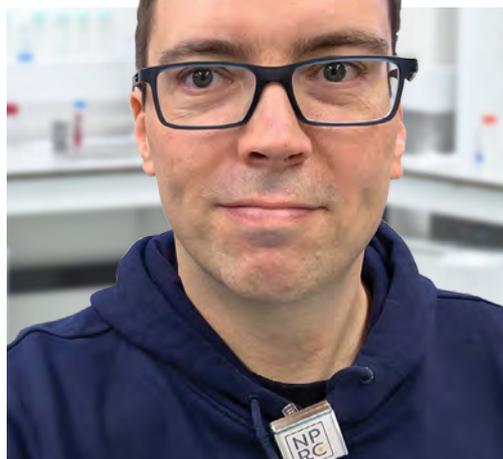
**Mr Xu Guowang**  
Director, Dalian Institute of Chemical Physics,  
Chinese Academy of Sciences, China

Our laboratory has **collaborated with Shimadzu for 30 years** and has always been using the latest instruments launched by Shimadzu. **We are a partner laboratory** of Shimadzu and have liquid-phase triple-quadrupole, gas-phase triple-quadruple among many other Shimadzu instruments. We have developed non-targeted, pseudo-targeted and targeted metabolomic analysis methods using Shimadzu's GC-MS instruments and applied them in the research of metabolic reprogramming, metabolic disorder and marker discovery of major diseases.

The instruments from Shimadzu-generated high-quality data and played an important role for the publication of more than 70 papers of his team. The **excellent instrument performance** meets our requirements for scientific research and the **great after-sales service solves our worries**. We hope that Shimadzu may continue to introduce new instruments to meet the needs of domestic and foreign researchers with **innovations in analytical measurements**.



***“Shimadzu’s modular components allow us to build instruments with different functions to meet our wide-ranging research needs.”***



Shimadzu has **excellent instrumentation** and I was particularly impressed by the **sensitivity and performance** of the LCMS-8050 during the beginning of our journey. Since purchasing the LCMS-8050, we have recently added an LCMS-8060 to our lab. Through MS-related conferencing and information sharing over the years, we have **developed close working relationships** with a number of Shimadzu employees from across the world, which makes us feel as though we are part of the Shimadzu Family. Shimadzu has **high quality instruments** that come with **reliable support**. Shimadzu provides **excellent post-purchase technical and applications support, that we likely would not get from other vendors. I look forward to many more years of success using Shimadzu LC-MS/MS instruments.**

***“My lab is a leader, largely due to the impressive abilities of Shimadzu instruments. We feel like we are part of the Shimadzu family.”***

**Dr David Erikson**

Director Endocrine Technologies Core, Oregon  
National Primate Research Center, Oregon Health  
& Science University, Beaverton, US.

MALDI



GCMS



LCMS



## Dr Alexander Arnold

Associate Professor, Chemistry & Biochemistry,  
Milwaukee Institute for Drug Discovery (MIDD),  
University of Wisconsin-Milwaukee, US



The Shimadzu Laboratory for Advanced and Applied Analytical Chemistry is an integrated MS Facility Laboratory housed in UWM's Kenwood Interdisciplinary Research Complex. The facility, which is spread across 2,000 square feet, is **one of the most sophisticated mass spectroscopy facilities in the US**. Shimadzu has been **very generous to provide instrumentation and long-term support** for this Center. The facility includes Shimadzu products such as MALDI with AccuSpot and CHIP and also uses MALDI-TOF-TOF **platform for proteomics**. LCMS-IT-TOF is particularly useful for **high resolution mass spectrometry**. In addition, we are also using LCMS-8040 Triple Quadrupole instrument with **high-speed positive/negative ionization switching** for the quantification of drug candidate characteristics. Also, we use GCMS-QP2010 Ultra with DI probe and LCMS-2020 Single Quadrupole for a **wide range of research** within our Department. The **Shimadzu laboratory is meeting its goal to be a unique platform for both research and chemistry education**.

***The Shimadzu Laboratory for Advanced and Applied Analytical Chemistry is meeting its goal to be a unique platform for both research and chemistry education. It is one of the most sophisticated mass spectroscopy facilities in the US.***



We have developed a complete system of analysis strategy and mass spectrometry detection for food safety, public safety and pharmaceutical research, in which **Shimadzu's instruments have played an important role and provided key technical support.** In addition, our research work focuses on the capture and detection of intermediates in the organic reactions and we have developed a series of novel atmospheric pressure ionization technologies. **Currently, we are working on a new collaboration projects with Shimadzu, namely the rapid identification of organic compounds using Shimadzu's new ion mobility mass spectrometry.** We look forward to a continued **fruitful collaboration.**



***“Shimadzu's instruments played an important role and provided key technical support.”***

**Mr Guo Yinglong**

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

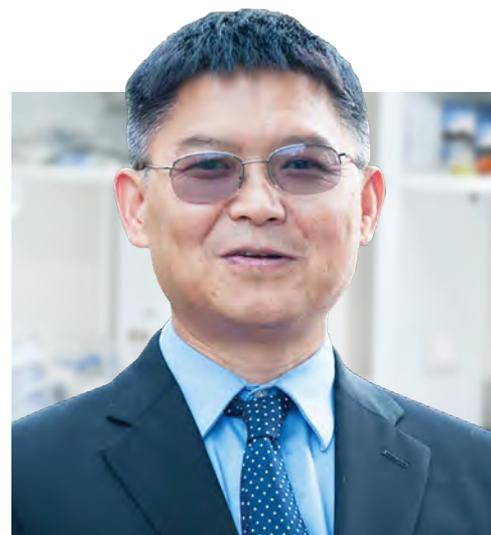


## Mr Li-Xiang Qun

Technical Director, Hunan Zhongsheng  
Quantai Biochemical Co., Ltd., China

Desired instrument capabilities with humanised service, brings ultimate fulfillment to us while working with Shimadzu. On the basis of mutual benefit, we hope to realize a **deeper and more comprehensive collaboration with Shimadzu**. At the same time, we expect new research and development technologies from Shimadzu, to **further help us to develop the industry**.

We have established collaboration with Shimadzu since its very beginning and has several Shimadzu instruments, such as MALDI TOF and HPLCs among many others. These instruments have fueled the growth of the company and have played a great role in its development.



***“Humanized service, brings ultimate fulfillment to us while working with Shimadzu.”***

# 04 FOOD & ENVIRONMENT



***“We have been using Shimadzu instruments for more than 30 years. Not only are the instruments extremely reliable and robust but Shimadzu service is also very competent and fast.”***

Eco-INSTITUT has been using Shimadzu instruments for more than 30 years for trace analysis of air and solids. Shimadzu instruments have proven to be **extremely reliable and robust**. The **competent and fast service** of Shimadzu is one of the company's unique feature and this convinced us to use Shimadzu products right from the beginning. The **continuous technical development** combined with a **high degree of flexibility of Shimadzu instruments** is a constant source of satisfaction pleasure for us.



**Dr Frank Kuebart**

Managing Director & Founder,  
eco-INSTITUT, Cologne, Germany



LCMS



GCMS

***“We have an infinite faith that our collaboration with Shimadzu will continue to grow substantially.”***



Shimadzu is a **very popular name** in the world of science. The main reason for us to prefer Shimadzu is the **sensitivity of the instruments** and the **excellent local service** support. We are especially very impressed by the very positive experience provided by Ant Teknik. The **marketing and customer satisfaction approach** of Ant Teknik has further increased the popularity of Shimadzu. We are using Shimadzu instruments predominantly for testing pesticides and mycotoxins. In the near future, we also plan to use it in vitamin and antibiotics analyses. It is very important for us that Shimadzu continues to offer easy software and that it preserves its **competitive ability** when it comes to service and spare parts.

### **Mr Çağatay Turan**

General Manager, A&T Food Control Laboratory, Istanbul, Turkey.

Secretary General & Chairman, Food Committee, TURKLAB Calibration and Testing Laboratories Association, Turkey



### Dr Amaya Albalat

Senior Lecturer, Institute of Aquaculture,  
University of Stirling, UK



We are using MALDI-8020 for about an year and we have been developing a number of analytical pipelines that are **aligned with our research priorities** and training activities. The instrument fits extremely well with our needs of high-throughput analysis in an environment where in some cases, users come from a non-Mass Spectrometry background. So far, our **experience with Shimadzu has been extremely positive** and we **look forward to developing** this in the future. The instrument provides the analysis that we requested during procurement process and the **standard of customer service has been very impressive.**

***“The instrument fits extremely well with our needs of high-throughput analysis.”***



LCMS

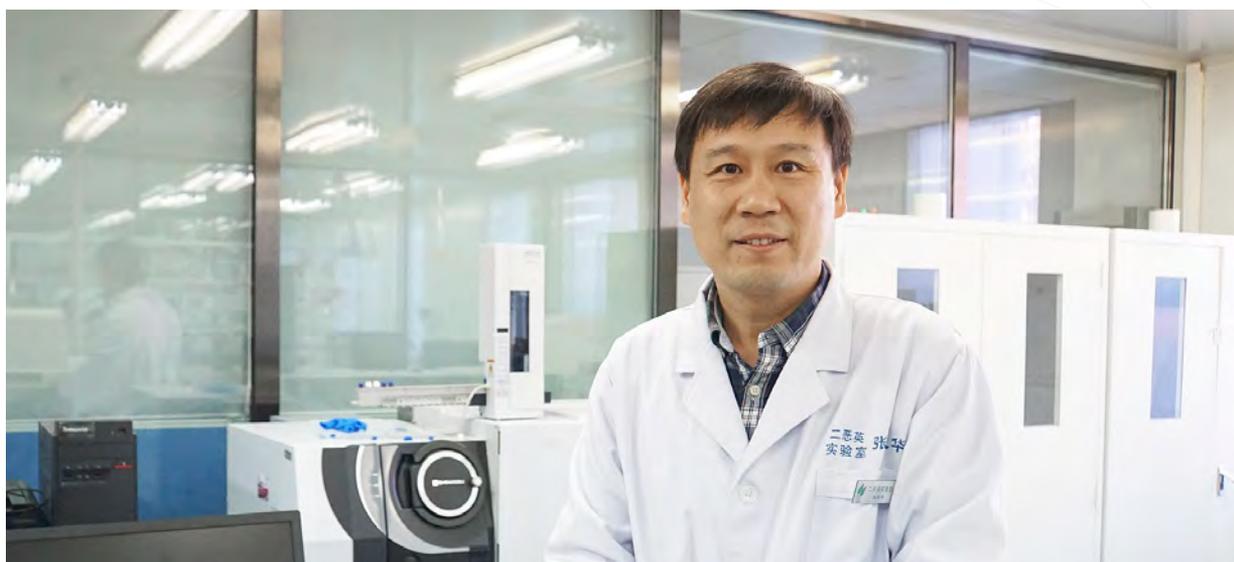


GCMS



ICPMS

**Mr Zhang Qinghua**  
Professor, Research Center for  
Eco-Environmental Sciences,  
Chinese Academy of Sciences, China



***"Shimadzu instruments are indispensable tools in our research work."***

We have been conducting research on analysis, sources, process and impact of **persistent organic pollutants (POPs)** in China and polar regions. We have been using Shimadzu instruments, such as GCMS, LCMS, ICPMS and so on, for decades in my lab. They are indispensable tools in our research work. Shimadzu instruments are **highly sensitive** and **robust**, and their **service is terrific**. We look forward to more and more new products and novel techniques that are regularly being launched by Shimadzu.

***We have extremely positive experiences with the quality, analytical sensitivity, reliability and robustness of Shimadzu MS instruments.”***

We have been working with Shimadzu GCMS for years and are **very satisfied** with them. We process essential citrus peel oils and use the equipment to analyse contaminants and identify ingredients in our raw materials and products. For the determination of pesticides and phthalates we currently use a GCMS-TQ-8040, and for the analysis of solvent residues and identification tasks we use GCMS-QP-2010 systems. Furthermore, Shimadzu MS instruments have **very user-friendly operation and maintenance**. This is also due to the **well-structured and clearly arranged software products** from Shimadzu, including GCMSSolution and LabSolutions. In addition, we have always received **fast and friendly advice and support** from competent Shimadzu employees, in case any of technical questions or problems.



**Dr Andreas Böker**  
Research & Development  
Director QC MCI Miritz Citrus  
Kirchgandern, Thuringia, Germany



LCMS



GCMS

***“Shimadzu instruments are powerful, sensitive and easy to maintain.”***

Shirley® has used Shimadzu chromatography products within their chemical testing department for **over 15 years**. We utilise a **wide range of Shimadzu instruments** including GCMS-TQ8050 NX and LCMS-8060 for **trace level analysis** of hazardous chemicals such as dyes, pesticides, surfactants, preservatives and various other residual manufacturing chemicals. We especially appreciate the features included in the LabSolutions software packages. Shimadzu provide an **excellent level of service and support by experienced service engineers** and technical specialists, which is vital to keep a commercial laboratory running.



**Mr Gareth Heywood**  
Manager, Shirley, UK

### Mr Liu Xiaowei

Researcher, Director, Environmental Monitoring and Early Warning Research Center, Agro-Environmental Protection Institute, Ministry of Agriculture and Rural Affairs, China



***“We hope that our collaboration with Shimadzu is able to help the national environmental and food safety supervision guidelines.”***

We like the **characteristics and advantages that are offered by Shimadzu** instruments. Currently, our laboratory is **collaborating with Shimadzu in the research of standard methods** for pesticide residue detection, chiral pesticide analysis and rapid detection methods for on-line extraction and purification of pesticide residues. We hope that the new detection approach and technique that is being developed via this partnership, could be applied in the actual testing work via mutual efforts, to help the national environmental and food safety supervision guidelines.

The background features a network diagram with various sized nodes (circles) connected by thin lines. Some nodes are highlighted with larger, semi-transparent circles. A white horizontal line is positioned below the main text.

**Contributing to Society through  
Science and Technology**





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