

Group News

2023

- Dr. Hiroaki Sasaki from Meiji Pharmaceutical University joined us as a Visiting Scholar! Welcome and best wishes!
- Our research on Coronavirus has been published online on Tuesday, January 24th in the journal *iScience* (2023,106037), entitled "**Targeting intracellular Neu1 for coronavirus infection treatment**", which showed that a newly developed sialidase inhibitor Neu5Ac2en-OAcOMe can rescue mice from death from coronavirus infection. *iScience* is an open access journal from Cell Press that provides a platform for original research in the life, physical, earth, and health sciences. The primary criterion for publication in *iScience* is a significant contribution to a relevant field combined with robust results and underlying methodology. Cheers!
- Majdi A Aljohani's poster presentation titled "**Systemic profiling of desialylation of monocytes and macrophages upon LPS stimulation**" was selected for **Sci-Mix** Presentation at the American Chemical Society (ACS) 2023 Spring National Meeting, March 26-30, 2023, Indianapolis, IN. Congrats and enjoy!
- Hareet, Sophie and Elizabeth joined us as Undergraduate Students doing Independent Study! Welcome and best luck!

2022

- Majdi A Aljohani passed his **PhD Candidacy Exam**! Congratulations!
- We summarized sialidase inhibitors in different kinds of mechanism and published it as a **Perspective Review** in prestigious *Journal of Medicinal Chemistry* (2022, 65, 13574-13593)! Cheers!
- Joseph Keil's poster presentation titled "**Site-Specific Glyco-modification of Recombinant Thrombomodulin**" was selected for **Sci-Mix** Presentation at the American Chemical Society (ACS) 2022 Fall National Meeting, August 21-25, 2022, Chicago, IL. Congrats and enjoy!
- Sonia Tomar defended her **Ph.D. Dissertation** and obtained her **Ph.D. of Clinical and Bioanalytical Chemistry Degree**. Congratulations! Well done and best luck!
- Reza Sahebjam-Atabaki joined us as a PhD Graduate Student, welcome and best luck!
- Garrett Rafn was awarded for the **2021-2022 Undergraduate Research Award** of the Department of Chemistry, Cleveland State University. Congrats!
- Joseph Keil was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$4,000, 07/01/2022-06/30/2023). Congrats!

2021

- Our review paper related to SARS-CoV-2 on journal ***Glycobiology*** was selected as the **Most Discussed and Read Paper** by the editor (Xue-Long Sun, The Role of Cell Surface Sialic Acids for SARS-CoV-2 Infection. *Glycobiology* (Oxford Academic) 2021, 31, 1245-1253)
- Garrett Rafn joined us as an Undergraduate Student doing Summer Undergraduate Research, welcome and best luck!
- Garrett Rafn was awarded for the **Second Place of Poster Award** of 2021 Undergraduate Summer Research, Office of Research, Cleveland State University.
- Isaac Turan passed his **PhD Candidacy Exam!** Congratulations!
- Majdi A Aljohani joined us as a PhD Graduate Student, welcome and best luck!
- Sonia Tomar was awarded **2021 CLC Scholarship** from AACC NEO Section, April 09, 2021
- Paul Lungu was awarded for **2019 American Institute of Chemists (AIC) Outstanding Senior Award**, Cleveland State University.
- Yu Zhao defended her **Ph.D. Dissertation** and obtained his **Ph.D. of Clinical and Bioanalytical Chemistry Degree**. Congratulations!
- Ka Keung Chan defended his **Ph.D. Dissertation** and obtained his **Ph.D. of Clinical and Bioanalytical Chemistry Degree**. Congratulations!

2020

- Mallorie Boron defended her **Ph.D. Dissertation** and obtained his **Ph.D. of Clinical and Bioanalytical Chemistry Degree**. Congratulations!
- Ka Keung Chan won **the third place** in an international competition at the ***Nanomaterials Graduate Student Award*** (GSA) session within the Nanoscale Science and Engineering Forum (NSEF) of the 2020 American Institute of Chemical Engineers (AIChE) Annual Meeting.
- Ka Keung Chan was awarded the **2020 SYCL Travel Grant** to the 2020 AACC (American Association for Clinical Chemistry) Annual Scientific Meeting & Clinical Lab Expo (December 13-17, 2020, Chicago, Illinois)
- Ka Keung Chan was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$4,000, 07/01/2020-06/30/2021).
- Sonia Tomar was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$4,000, 07/01/2020-06/30/2021).
- Mallorie Boron won **Outstanding Oral Presentation Award (First Place)** at 2020 American Chemical Society Cleveland Section Meeting, Cleveland, Ohio, March 10, 2020.

2019

- Dr. Sun received **Golden Apple Award** twice from CSU Alumni Association.
- Yu Zhao was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$4,000, 07/01/2018-06/30/2019).

- Yu Zhao obtained **Cellular and Molecular Medicine Fellowship** from Cleveland State University and Cleveland Clinic Graduate Research Program for two years starting from August 2019.
- Isaac Turan joined us as a PhD Graduate Student, welcome and best luck!
- Taryn Boslett joined us as an Undergraduate Student doing Summer Undergraduate Research, welcome and best luck!
- Bradley Arjune joined us as an Undergraduate Student doing Summer Undergraduate Research, welcome and best luck!
- Paul Lungu was awarded for **2019 American Institute of Chemists (AIC) Outstanding Senior Award**, Cleveland State University.

2018

- Isaac Turan joined us as an Undergraduate Student doing Summer Undergraduate Research, welcome and best luck!
- Joshua Whited was awarded for **2018 Best Graduate Teaching Award** at the Department of Chemistry, Cleveland State University. Congratulations!
- Joseph Keil was awarded for **2018 Undergraduate Research Award** from Department of Chemistry, Cleveland State University, May 4, 2017. Congratulations!
- Joshua Whited has defended his **Ph.D. dissertation** and obtained his **Ph.D. of Clinical and Bioanalytical Chemistry Degree** on April 19, 2018. Congratulations!

2017

- Dr. Xia Liu joined us as a Postdoctoral Fellow, welcome and best luck!
- Joseph Keil was awarded for awarded for 2017- **CSU Undergraduate Summer Research Award** from Office of Research, Cleveland State University. Well done! Congratulations!
- Danielle Andre joined us as an Undergraduate Student doing Independent Study, welcome and best luck!
- Paul Lungu joined us as an Undergraduate Student doing Independent Study, welcome and best luck!
- Ka Keung Chan joined us as a new Ph.D. Graduate Student, welcome and best luck!
- Dr. Dan Wang (out last year's Ph.D. graduate) has been accepted a **Clinical Chemistry Fellow** position starting from July at South Carolina Medical University. Congratulations and Best luck!
- Aicha Quamine was awarded for **2017 Undergraduate Research Award** from Department of Chemistry, Cleveland State University, May1, 2017. Congratulations!
- Mallorie Boron was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$5,000, 07/01/2017-06/30/2018). Congratulations!
- Dr. Sun was awarded for the Faculty Research and Development Award ((\$25,000, 07/01/2017-06/30/2018) from the Research Office of Cleveland State University.
- Aicha Quamine was awarded for **Undergraduate Research Award** from Cleveland State University Research Office (\$1,000, 01/19/2017-05/13/2017). Congratulations!

- Joseph Keil joined us doing Honor Independent Study, welcome and best luck!
- Sonia Tomar joined us as a new Ph.D. Graduate Student, welcome and best luck!
- Jing Gao joined us as a new Ph.D. Graduate Student, welcome and best luck!
- Joshua Whited was awarded for a **Best Graduate Teaching Award** from College of Graduate Study, CSU, *Congratulations!*

2016

- Aicha Quamine joined us doing Independent Study, welcome and best luck!
- Dr. Lei Yuan joined us as a Visiting Scholar from ShenYang Pharmaceutical University, welcome and best luck!
- Dr. Yuling Wang joined us as a Visiting Scholar from China Medical University, welcome and best luck!
- Yu Zhao joined us as a new Ph.D. Graduate Student, welcome and best luck!
- Valentinas Gruzdys has been awarded **one of the Best Abstract Award** at the 2016 AACC (American Association for Clinical Chemistry) National meeting (July 31-August 4, Philadelphia, PA). *Congratulations!*
- Dan Wang has defended her **Ph.D. dissertation** and obtained his **Ph.D. of Clinical and Bioanalytical Chemistry Degree** on July 21, 2016. *Congratulations!*
- Tiffany Hauzer was awarded for the **Marcene Werner Busch Memorial Scholarship** at CSU! *Congratulations!*
- Jayme Jones was awarded for **American Institute of Chemists (AIC) Outstanding Senior Award** at the Department of Chemistry, Cleveland State University. *Congratulations!*
- Mallorie Boron was awarded for a **Best Graduate Teaching Award** at the Department of Chemistry, Cleveland State University. *Congratulations!*
- Joshua Whited was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$5,000, 07/01/2016-06/30/2017). *Congratulations!*
- Valentinas Gruzdys has defended his **Ph.D. dissertation** and obtained his **Ph.D. of Clinical and Bioanalytical Chemistry Degree** on April 20, 2016. *Congratulations!*
- Mallorie Boron successfully past her **Ph.D. candidacy exam** on April 13, 2016. The committee members have unanimously voted pass for her Ph.D. candidacy exam. *Congratulations!*
- Dr. Sun edited and published a book: *Methods in Molecular Biology 1367: Macro-Glycoligand Methods and Protocols*, Xue-Long Sun Editor (ISBN 978-1-4939-3130-9, Humana Press/Springer Science), **2016**.
- Jayme Jones was awarded for **Undergraduate Research Award** from Cleveland State University Research Office (\$1,000, 01/19/2016-05/13/2016). *Congratulations!*

2015

- Dr. Sun was nominated **Golden Apple Award**, Cleveland State University, Alumni Association

- The Sun group has successfully host/organized the **2015 Midwest Carbohydrate and Glycobiology Symposium**, which at Cleveland State University during the weekend (10/23/-10/24/2015) with 91 attendees from eleven institutes. Cheers!
- Dan Wang won the **Best Oral Presentation Award** (one of four awards) at the 2015 Midwest Carbohydrate and Glycobiology Symposium, which was held at Cleveland State University during the weekend (10/23/-10/24/2015) with 91 attendees from eleven institutes. Congratulations!
- Lin Wang has defended her **Ph.D. dissertation** and obtained her **Ph.D. of Clinical and Bioanalytical Chemistry Degree** on August 10, 2014. Congratulations!
- Valentinas Gruzdys won the 3rd place for **Best Poster Presentation Award** at the 2015 AACC (American Association for Clinical Chemistry) National meeting (July 26-30, Atlanta, GA). Congratulations!
- Dan Wang was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$5,000, 07/01/2015-06/30/2016). Congratulations!
- Joshua Whited was awarded for a **Best Graduate Teaching Award** at the Department of Chemistry, CSU, *Congratulations!*
- Dan Wang was awarded for **Cellular and Molecular Medicine Specialization Fellowship** for 2 years starting Fall Semester 2015 at Cleveland State University. Congratulations!
- Valentinas Gruzdys has been awarded one of three recipients of the **2015 SYCL Travel Grant** to the 2015 AACC (American Association for Clinical Chemistry) National meeting (July 26-30, Atlanta, GA)
- Our paper (Xue-Long Sun*, C. Stabler, C. Cazalis, E. L. Chaikof, Carbohydrates and Protein Immobilization onto Solid Surface by Sequential Diels-Alder and Azide-Alkyne Cycloaddition. *Bioconjugate Chem.* **2006**, 17, 52-57) has been selected as the **Best Articles and Communications from the first 25 years of Bioconjugate Chemistry** (ACS Publication), cheers!
- Dan Wang was awarded a **Yong Investigator Travel Award** for the 2015 MSACL (Mass Spectrometry: Application to the Clinical Lab) Annual Meeting (March 28-April 1, 2014, San Diego, CA). Congratulations! Well done!
- Rui's paper (Rui Jiang, Lin Wang, Jacob Weingart and Xue-Long Sun, Chemo-Enzymatic Bioorthogonal Chemistry for Site-Specific Double Modification of Recombinant Thrombomodulin. *ChemBioChem - A European Journal of Chemical Biology*, **2014**, 15, 42-46) has been the **25 Most Accessed Articles from ChemBioChem in 2014**. *CheBioChem is a very prestigious journal, especially in Chemical Biology. Cheers!*

2014

- Pratima vabbilisetty has defended her **Ph.D. dissertation** and obtained her **Ph.D. of Clinical and Bioanalytical Chemistry Degree** on December 10, 2014. Congratulations!
- Kishan Yalamarty has defended his **M.S. Thesis** and obtained his **Master of Chemistry Degree** on December 11, 2014. *Congratulations!*
- Valentinas Gruzdys has won the 3rd place for Best Poster Presentation Award at 2014 CSIRC student conference. *Congratulations!*

- Professor Yang Liu, a Medicinal Chemist from ShenYang Pharmaceutical University, has joined us as a **Visiting Professor** from this 2014 fall semester, welcome!
- Dr. Sun has been elected a **Fellow of the American Heart Association (FAHA)** conferred by the Council on Basic Cardiovascular Sciences (BCVS).
- Dr. Sun has been awarded for an American Heart Association Grant-in-Aid Award.
- Joshua Whited was awarded for a **Best Graduate Teaching Award** at the Department of Chemistry, CSU, Congratulations!
- Lin Wang was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$5,000, 07/01/2014-06/30/2015). Congratulations!
- Vallentinas Gruzdyas was awarded for **Dissertation Research Award** from Cleveland State University Research Council (\$5,000, 07/01/2014-06/30/2015). Congratulations!
- Pratima vabbilisetty was awarded for a **Travel Award** from 2014 Ohio Collaborative Laboratory Conference, May 7-9 in Columbus, Ohio. Congratulations!
- Dan Wang was awarded for a **Travel Award** from 2014 Ohio Collaborative Laboratory Conference, May 7-9 in Columbus, Ohio. Congratulations!
- Dan Wang has passed her **Ph.D. Candidacy Exam** on April 04, 2014. Congratulations!
- Professor Jinshan Tang, a Medicinal Chemist from JiNan University College of Pharmacy, has joined us as a **Visiting Professor** from this 2014 spring semester, welcome!
- Pratima vabbilisetty was awarded for the **Outstanding Oral Presentation Award (First Place)** at 2014 American Chemical Society Cleveland Section Meeting, Baldwin Wallace University, Berea, Ohio, March 12, 2014. Great job!
- Dan Wang was awarded a **Yong Investigator Travel Award** for the MSACL (Mass Spectrometry: Application to the Clinical Lab) Annual Meeting (March 1-5, 2014, San Diego, CA). Congratulations! Well done!

2013

- Jacob Weingart has been offered a **Senior Research and Development Chemist** at Dover Chemical Corp, Ohio, US. Congratulations and best wishes for him!
- Professor Huan Nie, a Molecular and Cellular Biologist from Harbin Institute of Technology School of Life Science and Technology, has joined us as a *Visiting Professor* from this 2013 fall semester, welcome!
- Satya Narla has been offered a **Clinical Chemistry Postdoctoral Fellow** position at Medical University of South Carolina. Congratulations and best wishes for her!
- Professor Libo Wang, a Medicinal and Nature Product Chemist from Harbin Medical University College of Pharmacy, has joined us as a *Visiting Professor* from this 2013 fall semester, welcome!
- Satya Narla has defended her **Ph.D. dissertation** and obtained her **Ph.D. of Clinical and Bioanalytical Chemistry Degree** on June 03, 2013. Congratulations! Satya has published four first author papers and other two first author manuscripts are in revision, well done!

- Pratima vabbilisetty was awarded for a Best Graduate Teaching Award, Congratulations!
- Valentinas Gruzdys has passed his **Ph.D. Candidacy Exam** on April 23, 2013. Congratulations!
- Lin Wang has passed her **Ph.D. Candidacy Exam** on March 27, 2013. Congratulations!
- Valentinas Gruzdys was awarded **Outstanding Oral Presentation Award** at 2013 American Chemical Society Cleveland Section Meeting, John Carroll University, Ohio, March 13, 2013. Congratulations!
- Dr. Sun has been invited to serve as an **Advisory Board Member** of a NIH NHLBI P-Grant.
- We have four new lab members: Dan Wang as a Ph.D. graduate student, Lin Wang as a Visiting Scholar from China Medical University, Kishan Yalamarty as a MS graduate student, Rachel Troyan as an undergraduate student for Independent study. Welcome!

2012

- Jaya Sri Kakarla has defended her **M.S. dissertation** and obtained her M.S. Degree of Chemistry on December 11, 2012. Congratulations!
- Valentinas Gruzdys (Second Year Ph.D. Student) won the **Best Oral Presentation Award** (one of three awards) at the 2012 Midwest Carbohydrate and Glycobiology Symposium, which was held at Wayne State University during the weekend (10/05/-10/06/2012) with 107 attendees from eleven institutes. Cheers!
- Satya Narla (Forth Year Ph.D. Student) won the **Best Post Presentation Award** (one of three awards) at the 2012 Midwest Carbohydrate and Glycobiology Symposium, which was held at Wayne State University during the weekend (10/05/-10/06/2012) with 107 attendees from eleven institutes. Cheers!
- Dr. Sun has been awarded the **2012 Distinguished Faculty Award for Research**, Cleveland State University.
- We are fortunate to have received a grant from the National Science Foundation (CHE-1126384) through the Major Research Instrumentation program for a new NMR spectrometer. The new Bruker Avance III HD 400 MHz spectrometer system was installed in the beginning of 2012 fall semester. Cheers!
- Poornima Pinnamaneni has defended her **M.S. dissertation** and obtained her M.S. Degree of Chemistry on August 7, 2012. Congratulations!
- Dr. Rui Jiang has been awarded the **Best Poster Presentation Award** with poster presentation titled as "Site-specific Functionalization of Recombinant Thrombomodulin" at *12th Chinese International Peptide Symposium*, Shenyang, China, July 3-5, 2012. Congratulations!
- Pratima vabbilisetty was awarded for **Doctoral Dissertation Research Expense Award** from Cleveland State University Research Council (\$5,000, 07/01/2012-06/30/2013). Congratulations!
- Satya Narla was awarded for the **Graduate GSIRC Outstanding Service Award** from Department of Chemistry at Cleveland State University. May 4, 2012, Congratulations!

- Pratima vabbilisetty was awarded for **Undergraduate Teaching Award** from Department of Chemistry at Cleveland State University. May 4, 2012, Congratulations!
- Dr. Sun has been promoted to Full Professor.
- Hailong Zhang has defended his **Ph.D. dissertation** and obtained his Ph.D. of Clinical and Bioanalytical Chemistry Degree on April 20, 2012. Congratulations!
- Satya Narla was awarded for the **Outstanding Oral Presentation Award** at the 2012 American Chemical Society Cleveland Section Meeting, Oberlin, Ohio, March 21, 2012. Congratulations!
- Dr. Sun has been invited as Editorial Board Member of *Medicinal Chemistry* (a peer reviewed journal, OMICS Publishing Group).

2011

- One of our recent invited review articles (H. Zhang, Y. Ma, Xue-Long Sun*, Recent Carbohydrate Recognition Based Targeted Drug and Gene Delivery. *Medicinal Research Review*, 2010, 30, 270-289) has been the **10 Most-Cited Articles** (No. 2) published in 2010 in the *Medicinal Research Reviews* (Impact Factor: 10.228), cheers!
- Dr. Sun has been awarded for a NSF MRI grant for NMR spectrometer acquisition.
- Valentinas Gruzdys, our previous undergraduate student has joined us as a Ph.D. graduate student of Bioanalytical and Clinical Chemistry Major, welcome and congratulations!
- Dr. Sun has been invited as Organizing Committee Member for the 2012 International Conference on Metabolomics & Systems Biology (February 20-22, 2012, San Francisco, USA)
- Valentinas Gruzdys has been awarded for *2011 American Institute of Chemists (AIC) Foundation Outstanding Senior Award*, Cleveland State University, Cleveland, Ohio, May 6, 2011. Congratulations!
- Satya Narla was awarded for *Doctoral Dissertation Research Expense Award* from Cleveland State University Research Council (\$5,000, 07/01/2011-06/30/2012). Congratulations!
- Dr. Yong Ma was awarded for the *2011 Best Postdoctoral Research Award* at College of Sciences and Health Professions, Cleveland State University. Congratulations!
- Satya Narla was awarded for the *Outstanding Oral Presentation Award* (first place) at the 2011 American Chemical Society Cleveland Section Meeting, Cleveland, Ohio, March 16, 2011. Congratulations!
- Dr. Sun has been invited to contribute a Book Chapter on glyco-functionalized quantum dots to an ACS Symposium Series Book titled as *Glyco-Nanotechnology as a Bridge to New Medicines*. The manuscript has been accepted.
- Dr. Sun has been elected as Editorial Board Member of *International Journal of Organic Chemistry* (a peer reviewed journal, Scientific Research Publishing Group).

2010

- Srinivas Chalagalla has defended his Ph.D. dissertation and obtained his Ph.D. of Clinical and Bioanalytical Chemistry Degree on December 1, 2010. Congratulations!
- Dr. Sun has been elected as Editorial Board Member of *Journal of Glycomics and Lipidomics* (a peer reviewed journal, OMICS Publishing Group)
- As Organizer/Host, we had successfully held the 2010 Cleveland Symposium of Pharmaceutical Sciences (about 50 attendees, April 30, 2010) at Cleveland State University, Cleveland, Ohio. Cheers!
- Valentinas Gruzdys has been awarded for 2010 Outstanding Undergraduate Chemistry Research Award of Department of Chemistry, Cleveland State University, Cleveland Ohio, on April 30, 2010. Congratulations!
- Dr. Sun has been recognized as the recipient of the 2010 Outstanding Research Award, College of Science, Cleveland State University, Cleveland, Ohio (on April 30, 2010).
- Satya N. Narla has defended her Ph.D. candidacy exam on April 27, 2010. Congratulations!
- Valentinas Gruzdys has been awarded for the Best Undergraduate Oral Presentation at the 2010 American Chemical Society Cleveland Section Meeting held at Cleveland State University, Cleveland Ohio, on March 17, 2010. Congratulations!
- Dr. Sun has been awarded a Collaborative Cardiovascular Research Grant from Ohio Research Scholar Program with Dr. Qingyu Wu at Cleveland Clinic for study on site-specific antithrombotic agent (starting from March 15, 2010).
- Dr. Sun has been awarded an NIH RO1 grant for study on antithrombotic protein conjugate (starting from March 09, 2010).
- Dr. Sun's paper has been the Most-Cited Articles No.1 during the past three years in *Bioconjugate Chemistry* (American Chemical Society).

2009

- Srinivas Chalagalla has been awarded for the Best Poster Presentation at the 2009 Midwest Carbohydrate and Glycobiology Symposium held at University of Cincinnati, Ohio, October 4-5, 2009. Congratulations!
- Valentinas Gruzdys's summer research has been selected for one of the twenty Poster Presentations from all Ohio universities in the 6th Annual BioOhio Student Poster Competition at 2009 BioOhio Annual Conference held at Dublin, Ohio September 30 & October 1, 2009. Congratulations!
- Dr. Sun has been invited as Guest Editor of a special issue on carbohydrate research for *Medicinal Research Reviews* (peer reviewed journal, Wiley InterScience), 2010, Volume 30 Issue 2.
- Hailong Zhang has been awarded for the Cellular and Molecular Medicine Fellowship from Cleveland State University College of Graduate Research for two years starting from August, 2009.
- Dr. Sun has been invited as Co-Chair of Organic Chemistry Session of American Chemical Society Central Regional Meeting (CERMACS2009), May 20-23, 2009, Cleveland, Ohio.
- Hailong Zhang has defended his Ph.D. candidacy exam on May 13, 2009.

2008

- Dr. Sun has been elected as Editorial Board Member of *Virus Adaptation and Treatment* (a peer reviewed journal, Dove Medical Press)
- Srinivas Chalagalla has defended his Ph.D. candidacy exam on December 12, 2008.
- As Elected Organizer/Host, we had successfully held the 4th Midwest Carbohydrate and Glycobiology Symposium (72 attendees, October 3-4, 2008) at Cleveland State University, Cleveland, Ohio. Cheers!
- Dr. Sun's paper has been featured on the cover page of *Bioconjugate Chemistry* (2008, Volume 19, Issue 1, American Chemical Society).

2007

- Dr. Sun's paper has been the Most-Cited Articles No.1 in 2006 full year in *Bioconjugate Chemistry* (American Chemical Society).