



Midwest Regional Chapter Society of Toxicology

Spring 2019 Newsletter

The MRC/SOT Proudly Presents the Annual Spring Meeting
scheduled for Friday, May 17, 2019:

**“CRISPR/Cas9 Gene Editing: Utility in Toxicologic Research and
Pharmaceutical Discovery”**

We are pleased to extend an invitation for you to join us for the upcoming Spring meeting of the Midwest Regional Chapter of the Society of Toxicology!

~See inside for meeting details~

39th Annual MRC/SOT Spring Meeting

May 17, 2019

DoubleTree Hotel

Mundelein, IL

Plans for the 2019 Spring Meeting of the Midwest Regional Chapter of SOT are being finalized. The meeting will be held on Friday, May 17 at the DoubleTree Hotel in Mundelein, IL. The theme for this year's meeting is "CRISPR/Cas9 Gene Editing: Utility in Toxicologic Research and Pharmaceutical Discovery." The Program Committee has lined up an outstanding panel of speakers to cover this emerging and important topic. A copy of the tentative program along with the Registration form and directions to the meeting site are attached.

In addition to the featured symposium, the meeting will include the presentation of the Young Investigator Award and the Kenneth P. Dubois Career Achievement Awards, as well as a poster session featuring the annual Victor A. Drill student research competition. The winner of the competition will receive a monetary prize to be used toward expenses for attending the SOT Annual Meeting.

All students affiliated with institutions in the MRC/SOT geographical region are encouraged to submit abstracts for the poster competition. The abstracts and posters may be original work or work that was presented at the 2019 SOT Annual Meeting in Baltimore, MD. Abstracts should be submitted along with registration materials to:

Binu Philip, PhD, DABT
AbbVie, Inc.
binu.philip@abbvie.com

For further information regarding the 2019 MRC/SOT Spring meeting, please contact Charles Mattis at charles.mattis@abbvie.com.

The Awards Committee is also soliciting applications for the MRC/SOT Young Investigator Award and nominations for the Kenneth Dubois and Early Career Awards. Information regarding these awards and the application/nomination processes can be found on the MRC/SOT website and in the newsletter.

39th Annual MRC/SOT Spring Meeting (May 17, 2019)

“CRISPR/Cas9 Gene Editing: Utility in Toxicologic Research and Pharmaceutical Discovery”

Registration/Breakfast

8:00 – 9:00 am

Welcome and Introduction

9:00 – 9:15 am

Wei Xu, President

University of Wisconsin-Madison

Chad Vezina, President-Elect

University of Wisconsin-Madison

Morning Presentations

Kathy Krentz, PhD

University of Wisconsin-Madison

“Utilizing gene editing and assisted reproduction to enhance novel animal models”

9:15 – 10:00 am

2018 Young Investigator Award Presentation

Kyle Wegner

University of Wisconsin-Madison

2018 MRC/SOT Young Investigator Award Recipient

“Molecular and Environmental Toxicology”

10:00 – 10:45 am

Refreshment Break

10:45 – 11:00 am

Graduate Student Poster Presentation/Flash

Talks

11:00 am – 12:30 pm

Luncheon

12:30 – 1:00 pm

MRC/SOT Business Meeting and Student Poster Awards

1:00 – 1:30 pm

Afternoon Presentations

Ning Sun, PhD

AbbVie, Inc.

“Development and application of genome editing tool kit for drug discovery”

1:30 – 2:15 pm

Mark Waymack, PhD

Loyola University

“Ethics, Anxiety, and the Possibilities of CRISPR Technology and Human Genome Editing”

2:15 – 3:00 pm

Concluding Remarks

Wei Xu, President

University of Wisconsin-Madison

Chad Vezina, President-Elect

University of Wisconsin-Madison

39th Annual MRC/SOT Spring Meeting Registration

Registration Fees:

MRC/SOT Members: **\$100 (by May 8)/\$125 (May 9 or after)**

Nonmembers: **\$125 (by May 8)/\$150 (May 9 or after)**

Student/Postdoc: **\$20 (waived if presenting a poster)**

Online registration is available at the SOT website (link provided below). If not an SOT member, at the first login screen, there is an option to "click here" to create a new account. Upon the creation of a new account, the registrant can select the meeting from the "Events" drop down box and register for the meeting.

[Click here for Online Registration](#)

In addition, if you prefer to pay by mail, a registration form is attached. Fees are payable by Visa, MasterCard, Discover, or American Express, and are due at the time of registration.

If payment is by check or money order, please direct payment to MRC-SOT and send to:

Ashley Black
Society of Toxicology
11190 Sunrise Valley Drive
Suite 300
Reston, VA 20191
Phone: 703.438.3115

Cancellation Policy:

Registrations are transferable. After May 13, 2019, refunds will not be made. We reserve the right to cancel or to change speakers if necessary. In the event of meeting cancellation, all registrants will receive a full refund. We are not responsible for travel expenses in the event of a cancellation or date change.

MRC-SOT 2019 Spring Meeting Registration Form

Name: _____ MRC-SOT Member: Yes _____ No _____

Title/Position/Company: _____
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Phone Number: _____ E-mail address: _____

Address: _____

City: _____ State: _____ ZIP: _____

Fee Enclosed (please check):

MRC-SOT Member: ☐ \$100 (if postmarked by 5/8/2019)
 ☐ \$125 (if postmarked 5/9/2019 or after)

Non-Member: ☐ \$125 (if postmarked by 5/13/2019)
 ☐ \$150 (if postmarked 5/13/2019 or after)

Students/Post-docs: ☐ \$20 / ☐ Waived if presenting a poster

Is a receipt required for your registration? ____ Yes ____ No

Breakfast and lunch will be served to all attendees.

Meeting Location:

Doubletree by Hilton Hotel Libertyville-Mundelein
510 E IL Route 83 Mundelein, IL 60060

Driving Directions:

Directions from O'Hare International Airport:

As you exit the airport, follow I-90 east towards Chicago.

Take the 294 Tollway North 25 miles. Exit at Route 60 (Town Line Road). Make a left on Town Line Road. When you get to Route 45, make a left and the DoubleTree by Hilton hotel will be one block on your right.

Directions from Milwaukee and General Mitchell Airport:

As you exit Milwaukee, you will be on I-94 heading East from Wisconsin to Illinois. Once in Illinois, proceed on I-94 and exit onto Route 60 (Town Line Road). Make a right turn onto Route 60 (Town Line Road). Turn left on Route 45 and the DoubleTree by Hilton hotel will be one block on your right.

Directions from Midway Airport:

Take Cicero Avenue (Route 50) North to I-55 South. Exit I-55 South, onto the 294 Tollway North. After 25 miles, Exit at Route 60 (Town Line Road). Make a left on Town Line Road. When you get to Route 45, make a left and the DoubleTree by Hilton hotel is on your right.

Hotel Accommodations

For individuals who are arriving the night before the meeting or staying overnight after the meeting, the following hotels are suggested. No rooms have been reserved for the meeting; therefore, hotel accommodations are the responsibility of individual attendees.

DoubleTree by Hilton Hotel Libertyville-Mundelein (Meeting Site)

510 E IL Route 83

Mundelein, IL 60060

Phone: 847-949-5100

Link to online registration:

<http://doubletree.hilton.com/en/gi/reservations/index.jhtml?hotel=CHIMUDT&corporateCode=0000041657>

Holiday Inn Express Libertyville

77 West Buckley Road

Libertyville, IL 60048

Holiday Inn Express Vernon Hills

975 North Lakeview Parkway

Vernon Hills, IL 60061

Courtyard Chicago Lincolnshire

505 Milwaukee Avenue

Lincolnshire, IL 60069

For further information regarding the meeting, please contact the 2019 Spring Meeting Organizer, Charles Mattis at charles.mattis@abbyie.com.

Midwest Regional Chapter Society of Toxicology (MRC/SOT)

MRC-SOT Award Announcement

Applications deadlines for the Professional and Student/Postdoc Awards offered from the Midwest Regional Chapter have been extended. Descriptions for awards offered are described below. Send completed applications to the Awards Committee Chairperson Binu.Philip@abbvie.com. **Award application deadline is April 26, 2019.**

Professional Awards

Recommendations shall consist of a letter (1 page limit) describing the accomplishments of the candidate; verbal recommendations will not be considered. Letters of recommendation must be submitted to the Awards Committee Chairperson no later than **April 26** following the nomination request. Membership in the MRC/SOT or National SOT is not required. The proposed candidate should still be in active practice in toxicology or a closely related field or recently retired and must have demonstrated a sustained and high level of activity in toxicology or a closely related field, for example, by unique research achievements, special teaching proficiency, and/or through promoting the interests and concerns of toxicology. The award will be presented by the President of the MRC/SOT at the Annual Spring Meeting of the Chapter.

The Kenneth P. DuBois Award honors an outstanding Midwest toxicologist with a career involving several years (15+) of distinguished professional experience in the field of toxicology.

The Early Career Toxicologist Award honors an outstanding Midwest toxicologist with up to 10 years of professional experience in the field of toxicology.

Student and Postdoctoral Awards

The same research project may be submitted for the Best Student Publication Award and Young Investigator Award; however, one individual will not be eligible to receive two awards for the same research.

The Young Investigator Award is presented at the MRC/SOT Spring meeting to the applicant who submits the best undergraduate or graduate research proposal. In addition to the application, the advisor should submit a letter of recommendation. Winners will present their research at the following Annual Meeting of MRC/SOT and will receive funds to be used for continuing education in toxicology e.g. travel to national or regional meeting, purchase of textbook(s), and/or participation in workshops and/or research. The application deadline is **April 26**.

The Victor A. Drill Award is awarded to the top student poster presentation at the MRC/SOT Spring meeting. The winner will receive funds to be used for continuing education in toxicology e.g. travel to national or regional meeting, purchase of textbook(s) and/or participation in workshops. All student posters at the meeting will be judged.

The MRC/SOT Travel Award is presented prior to the SOT Annual Meeting for the best accepted abstract submitted by an undergraduate student, graduate student, or postdoctoral fellow as the first or senior author. The candidate must be actively involved in a training program or have completed their studies within the past 12 months. In addition to the application, the advisor should submit a letter of recommendation. Winners will receive funds to be used for continuing education in toxicology e.g. travel to national or regional meeting and/or participation in workshops. The application deadline was **February 15**.



President's Message

I would like to extend an invitation to attend our Spring Midwest Regional Chapter of the SOT meeting. The Program Committee, under the direction of President-Elect Chad Vezina, has put together an interesting set of speakers that will discuss the topic of "CRISPR/Cas9 Gene Editing: Utility in Toxicologic Research and Pharmaceutical Discovery" The meeting will be held at the DoubleTree Hotel in Mundelein, IL on Friday, May 17, 2019.

Our 2018 Fall Meeting was held at University of Wisconsin-Madison and the meeting was focused on the topic "Using Artificial Intelligence and Machine Learning to Advance Toxicology Research." I want to thank the University of Wisconsin-Madison for providing the location and the refreshments for the fall meeting and our Sponsors, University of Wisconsin-Madison / UMASS Boston George M. O'Brien Center for Benign Urologic Research.

The Executive Committee is still soliciting applications and nominations for the various awards including: Kenneth DuBois Career Achievement Award, The Early Career Toxicologist Award, and the Young Investigator Award. Descriptions of the awards and application materials may be found elsewhere in this Newsletter and on our website. Deadline for receipt of applications/nominations is April 26, 2019.

We would like to extend a request for future meeting topics. You can find the list of past meeting topics in the newsletters. If you have a specific area that you would like us to explore or have specific speakers that you know would be interested in presenting, please feel free to contact anyone on the council with your ideas. We also want to encourage your colleagues to become members of our regional chapter. It is a great opportunity to meet individuals in our area who share your passion for science.

I look forward to seeing you all on May 17.

Wei Xu, PhD

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Regional Chapter Graduate Committee (RC-GC)

Greetings Graduate students/Postdocs!

My name is Saniya Rattan and I am the Regional Chapter Graduate Student representative for the Midwest Regional Chapter MRC/SOT. My position is to serve as a student liaison between the regional and national SOT chapters in order to encourage student involvement in SOT. I highly encourage you to become involved in SOT leadership by becoming a Regional Chapter Student representative!! Please find me at the upcoming meeting if you are interested in serving!! My position as a student rep for MRC/SOT will end on April 30, 2019.

Several student awards are presented at this spring meeting. Students are encouraged to submit applications for both the Young Investigator award and the Victor A. Drill poster award. Abstracts and applications for the Victor A. Drill poster award and the Young Investigator award are **due April 26**. Last year, the Young Investigator award was presented to Kyle Wegner from the University of Wisconsin-Madison. As the award recipient of 2018, Kyle will present his work at this 2019 Spring Meeting titled "Molecular and Environmental Toxicology". These awards present amazing opportunities and I encourage all graduate students to apply to the Young Investigator award and all postdoc fellows and graduate students to apply to the Victor A. Drill poster presentation award.

The Midwest Regional Chapter of the SOT encompasses Toxicologists in IL, WI, and Northwestern IN. Any student who is currently a member of SOT is highly encouraged to become a member of the regional chapter. Benefits to becoming a member include diverse networking opportunities within academia and industry, the opportunity to present your research to other scientists, the potential for future collaborations, as well as access to several travel or research awards. Membership is only \$10! For more information related to the MRC/SOT chapter and MRC/SOT regional meetings, please contact your graduate student representative that will be announced at this spring meeting!

Saniya Rattan
University of Illinois Urbana-Champaign
rattan2@illinois.edu

MRC/SOT 2018 to 2019 Executive Committee

President

Wei Xu
University of Wisconsin-Madison
Tel: 608.265.5540
wxu@oncology.wisc.edu

President-Elect

Chad Vezina
University of Wisconsin-Madison
Chair: Program Committee
Tel: 608.890.3235
cmvezina@wisc.edu

Past President

Yi Yang
AbbVie, Inc.
Tel: 847.937.8893
yi.yang@abbvie.com

Secretary

Charles R. Mattis
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Treasurer

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Councilor

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MWolter@scj.com

Councilor

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Councilor

Binu Philip
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Councilor

Smita Salian-Mehta
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Tel: 847.937.8177
smita.salianmehta@abbvie.com

Postdoctoral Representative

Vacant

Graduate Student Representative

Saniya Rattan
U. of Illinois Urbana-Champaign
Tel: 217.244.3786
rattan2@illinois.edu

Midwest Regional Chapter Society of Toxicology (MRC/SOT)

Application for Professional Awards

For which award are you nominating? Kenneth P. DuBois _____ Early Career Toxicologist _____

Nominator Information

Name	Address	City	State	Zip
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Organization	Telephone	Email
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Are you an MRC/SOT Member? Yes _____ No _____

Candidate Information (leave blank if nominating yourself)

Name	Address	City	State	Zip
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Organization	Telephone	Email
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Instructions:

- Please include a curriculum vitae (CV, if available) and a recommendation letter (one-page limit) describing the accomplishments of the candidate.
- The proposed candidate should have worked in toxicology or a closely related field for a period of at least 15 years (DuBuois award) or up to 10 years (Early Career Award), spending most of his/her professional life in the Midwest Region.
- Membership in the MRC/SOT or in SOT is not required for candidacy.
- The proposed candidate should still be in active practice in toxicology or a closely related field or recently retired (less than 3 years). Active practice is defined as performing, directing, or managing activities in the areas of research, analytical testing, teaching, consulting, clinical practice and/or regulatory affairs.
- The proposed candidate must have demonstrated a sustained and high level of activity in toxicology or a closely related field, for example, by unique research achievements, special teaching proficiency, and/or through promoting the interests and concerns of toxicology.
- Deadline for entry is April 26.

Return nomination form and supporting materials via email to designated Award Contact on MRC/SOT website:

<https://www.toxicology.org/groups/rc/midwest/Awards.asp>

Midwest Regional Chapter Society of Toxicology (MRC/SOT) **Application for Young Investigator Award**

Applicant Information

Name Address City State Zip

Organization Telephone Email

Are you an MRC/SOT Member? Yes _____ No _____

Are you currently: Student _____ Post-Doc _____

Have you previously won an MRC/SOT award for this same abstract? Yes _____ No _____

Have you previously won an award for this same abstract/proposal/journal article from another Regional Chapter or specialty section? Yes _____ No _____

Will you be presenting a poster at the MRC/SOT Spring Meeting? Yes _____ No _____

Mentor Information

Name Address City State Zip

Organization Telephone Email

Graduate Academic History

<i>Institution</i>	<i>Major</i>	<i>GPA</i>	<i>Degree Awarded</i>

Academic and Professional Honors

(i.e., scholarships, traineeships, development awards, professional societies):

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Publications

(leave blank if none)

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Instructions:

- Abstracts or proposals in any area of toxicology are acceptable.

- Please include Research Objectives and Proposed methods
- Insert abstract/proposal in box below
- Include a letter of recommendation from Advisor
- There is no abstract fee.
- The deadline for Young Investigator and Best Student Publication is April 26th.

Title
Authors
Abstract or Research Objectives and Proposed Methods

APPLICANT CERTIFICATION AND ACCEPTANCE:	
I certify that the information and statements above are true, complete, and accurate to the best of my knowledge, and I agree to comply with the terms and conditions of the award, if an award is issued as a result of this application.	
Signature	Date

Return abstract forms via email to designated Award Contact on MRC/SOT website:
<https://www.toxicology.org/groups/rc/midwest/Awards.asp>