

2013
JAM
JOINT ANNUAL MEETING



**Registration
Brochure**

ADSA[®]-ASAS

July 8–12, Indianapolis, Indiana

www.jtmtg.org/2013

General Meeting Information

The American Dairy Science Association® (ADSA®) and American Society of Animal Science (ASAS) will hold the 2013 Joint Annual Meeting (JAM) in Indianapolis, Indiana, July 8–12. This brochure provides meeting highlights, registration, and housing information. The meeting program will not be mailed to members; however, it will be posted online at <http://www.jtmtg.org/2013>, and a printed version of the meeting program will be available on site.

Schedule of Events

The 2013 ADSA-ASAS JAM will be held July 8–12 (Monday through Friday). The opening session will be held on Monday evening, July 8; scientific sessions will begin Tuesday morning, July 9, and run through noon on Friday, July 12. **Note the change in schedule (Monday through Friday, instead of Sunday through Thursday) for this year's meeting.**

Location

The meeting will be held at the Indiana Convention Center and area hotels. The convention center is ideally located in downtown Indianapolis within walking distance of hotels, shopping, and dining.

Opening Session

This year's opening session will feature a presentation by Philip E. Nelson, Scholle Endowed Chair in Food Processing and Professor Emeritus at Purdue University and 2007 World Food Prize Laureate (the "Nobel" prize in food and agriculture). Dr. Nelson's talk will be titled "What a Difference a Day Makes...Advances in Aseptic Processing." After the opening session, please join us for food and drinks at the reception.

Program Format for 2013

Poster sessions:	7:30 am – 9:30 am
Scientific sessions:	9:30 am – 12:30 pm
Lunch breaks:	12:30 pm – 2:00 pm
Scientific sessions:	2:00 pm – 5:00 pm

Use the registration form in this brochure or register online at <http://www.jtmtg.org/2013/Reg.asp>. A receipt, meeting badge, appropriate tickets, and other meeting materials will be available at the registration area in the Indiana Convention Center. **Please register by June 3 to take advantage of the discounted early registration rate. In addition, professional members who register online before 11:59 pm on April 1, 2013, will receive a \$50 discount on the early registration fee!**

Registration Hours

Registration will be located in the lobby of Hall A-B in the Indiana Convention Center. Registration hours for the 2013 Joint Meeting, including special symposia and other events, will be as follows:

Sunday, July 7 (preregistered only)	3:00 pm – 5:00 pm
Monday, July 8	7:00 am – 7:00 pm
Tuesday, July 9	6:30 am – 5:15 pm
Wednesday, July 10	7:00 am – 5:15 pm
Thursday, July 11	7:00 am – 5:15 pm
Friday, July 12	8:00 am – 1:00 pm

Presentation Information

Notice to Nonmember Presenters

If an abstract is accepted, a presenter must attend the meeting to present (this applies to both oral and poster presentations). If a nonmember presenter (i.e., not a member of ADSA or ASAS) is not registered for the 2013 Joint Annual Meeting by 11:59 pm (Central time) on **April 1, 2013**, the abstract will not be published. It will be removed from the program and will no longer be available for presentation at the meeting. Nonmembers who register but cannot attend the meeting and are unable to arrange for a substitute presenter will receive a 90% refund, provided the reason for nonattendance is a personal emergency. If nonattendance is due to visa denial, a 50% refund shall be made. All nonmember presenter requests for refunds must be accompanied by appropriate documentation and will be processed after the meeting in the form in which registration payment was made (i.e., if you paid by credit card, the refund will be applied to your credit card account). If you cannot attend but do arrange for a co-author to make your oral presentation, please contact FASS headquarters (abstract@assoqh.org) to provide your change of information.

Oral and Invited Speakers

Oral sessions will begin at 9:30 am on Tuesday and Wednesday, 10:30 am on Thursday, and 8:30 am on Friday. Meeting rooms will be equipped for electronic presentations and preloaded sessions.

Upload Information

Pre-meeting upload: Presenters will be able to upload presentation files in advance of the meeting. Avoid the onsite rush and upload your presentation on your own schedule. The website is available 24 hours a day from now until 11:59 pm (Central time) on **July 3**: <http://www.fass-abstracts.org/login.asp?meetingcode=208>. **Files will not be accepted via e-mail.**

Onsite upload: Onsite presentation upload will be available; files can be delivered to the Pre-Load Room at the convention center. **Presentations must be uploaded by 5:00 pm on the day before your scheduled presentation. Files will not be accepted via e-mail. No presentations will be loaded while the session is in progress or between presentations.**

Poster Presentations

We have dedicated a two-hour block each morning for poster presentations. The "open poster" sessions will be from 7:30 to 9:30 am Tuesday, Wednesday, and Thursday in the Convention Center, Hall A-B.

New in 2013: Coffee and pastries will be served in Hall A-B from 8:00 to 9:00 am on Tuesday, Wednesday, and Thursday.

Each poster presentation will be available for public viewing for the entire day, with the presenting authors present during the open posters time (7:30–9:30 am). All posters must be mounted on the board 30 minutes before the beginning of the day's session (**poster sessions begin at 7:30 am so posters must be mounted on boards by 7:00 am**) and must list the abstract number and corresponding day. The exhibit hall will open at 6:30 am, Tuesday through Thursday. **Posters must be removed after 5:00 pm each day.** Any posters remaining after

General Meeting Information CONTINUED

5:30 pm will be removed by the convention center staff and discarded.

Each poster board area is 48 inches high and 96 inches wide. Use of this space is dictated by the presenter, with the following exceptions: the top of the poster space must include the abstract number with corresponding letter of the day it is being presented, title, authors, and affiliations. The lettering for this section should be at least 1 inch high.

Don't want to carry your poster to the meetings? Use the online FedEx Office Services: <http://www.fedex.com/us/office/services/>. Register, upload your poster, and schedule delivery via FedEx to your hotel. All FedEx services are at your own expense.

Locating the Correct Poster Board

Each poster board number corresponds to the abstract number as noted in the program. For Tuesday posters a "T", Wednesday posters a "W", and for Thursday posters a "TH" precedes the board number.

Notice to Attendees

Use of cameras, video cameras, and cell phones (for calls or as cameras) is prohibited during oral and poster presentations to minimize disruption and unauthorized dissemination of data. Anyone found in violation of this policy will be asked to leave the session.

ARPAS Continuing Education Units

The 2013 Joint Annual Meeting has been approved for up to 21 continuing education units (CEUs) for the American Registry of Professional Animal Scientists (ARPAS) certification requirements. Check the schedule of events for times and location of the ARPAS exams.

Continuing Education Credits for Veterinarians (RACE credits)

Many of the symposia at the 2013 Joint Annual Meeting will be approved for RACE credits. We are in the process of having specific symposia approved. Following approval, symposia approved for RACE credits will be posted online at <http://www.jtmtg.org/2013>. Information regarding RACE can be found at www.aavsb.org.

Accommodations

In order to receive the meeting discount, housing reservations must be made through the JAM Housing Bureau. Reservations may be made online by visiting <http://www.jtmtg.org/2013/housing.asp>, or by completing the housing form located online or on page 15 of this brochure. Please note that the deadline for discounted room rates is **June 10, 2013**.

Hotels

Hyatt Regency

(ADSA Headquarters Hotel)
One South Capitol Avenue
Indianapolis, IN 46204

Westin Indianapolis

(ASAS Headquarters Hotel)
50 South Capitol Avenue
Indianapolis, IN 46204

Sheraton City Centre

(Student Headquarters Hotel)
31 West Ohio Street
Indianapolis, IN 46204

Omni Severin

40 West Jackson Place
Indianapolis, IN 46225

Hampton Inn Downtown

105 South Meridian Street
Indianapolis, IN 46225

Crowne Plaza at Union Station

123 West Louisiana Street
Indianapolis, IN 46225

Transportation in Indianapolis

Indianapolis is within a day's drive of over half of the US population, and a LEED-certified, J. D. Power top-ranked airport welcomes those who fly in. The JAM hotels and the convention center are approximately 12 miles from Indianapolis International Airport (IND). The one-way fare for a taxi from the airport to the Indianapolis Convention Center area is approximately \$28.00. An airport shuttle service (PT MED Transport) is also available; the rate is \$30.00 round-trip. Go to www.ptmedicaltransportation.com or call 317-319-0993 for more information on airport and other shuttle services.

Indianapolis Sightseeing Options

From the Indianapolis Convention and Visitors Bureau (CVB):

"Indianapolis offers the most compact, connected and convenient meetings package in the country. But beyond the bricks and mortar is a vibrant and walkable downtown that stays activated long after the work day ends. After 5 pm, attendees find themselves in a city with hundreds of options to explore for networking and entertainment. Over 200 diverse restaurants, 80 bars and clubs, and 50 major attractions are within walking distance of downtown hotels, including a glimmering canal walk and 250 acres of urban green space with one-of-a-kind museums and a top 10 zoo.

The new \$63 million, 8-mile Indianapolis Cultural Trail connects bicyclists and pedestrians to dining, nightlife, attractions, and six eclectic cultural districts with boutique shops, art galleries, and live music. The transformed Georgia Street offers a unique outdoor event plaza and provides a pedestrian-friendly connector between the convention center and Bankers Life Fieldhouse, home of the NBA Pacers. James Beard Award-winning chefs, the world's spiciest dish, and hip and funky neighborhoods can also be found in this safe, clean, and friendly city."

Visit the CVB (<http://www.visitindy.com/>) for ideas on what to do for fun in Indianapolis!

Program Highlights

Scheduling is subject to change without notice. Please refer to your onsite meeting program and daily onsite newsletters for the final schedule.

Symposia and Workshop Topics

Titles are subject to change without notice.

Monday, July 8

- Triennial Growth and Development Symposium: Vitamin D—Establishing the basics to dispel the hype
- Teaching and Learning in the Animal Sciences (Workshop)
- Late-Breaking Abstracts

Tuesday, July 9

- Ruminant Nutrition Symposium: Advancements in enhancing cell wall digestibility and its contribution to improve ruminant production
- Bioethics 1: The Hunger Games: Should “Big Ag” be left standing?
- Companion Animals Symposium: Effect of dietary format on nutrition, food management, and food safety
- Cell Biology Symposium: The immune system in pregnancy
- Teaching/Undergraduate and Graduate Education Symposium: Graduate education in a shifting research landscape
- Bioethics 2 Open Symposium: Is modern animal agriculture ethically defensible?
- Physiology and Endocrinology: The next generation of metabolic endocrinology
- Trace mineral nutrition
- Milk Protein and Enzymes: Role of enzymes in dairy processing
- New and emerging laboratory techniques and their application to solving applied problems
- Dairy Foods: New approaches to lower sodium in cheese and techniques to address quality

Wednesday, July 10

- ARPAS Symposium: Applied nutrition of ruminants: Current status and future directions
- Dairy Foods: Dietary influence on milk synthesis of health-promoting components in bovine and human milk
- Forages and Pastures: Forage systems adaptable to dry conditions
- Meat Science and Muscle Biology: Implants, muscle development, and meat quality
- Beef Species Symposium: Nutrient requirements of the beef female in extensive grazing systems: Considerations for revising the beef NRC
- Companion Animals Symposium: Comparative animal nutrition
- ADSA Multidisciplinary International Leadership Keynote (MILK) Symposium: Colostrum quality, analytical methods and processing challenges
- Nonruminant Nutrition Symposium: Breaking the mold: Formulating monogastric diets without traditional ingredients
- Small Ruminant Symposium: Sustainable meat goat production
- Reduction of subtherapeutic antibiotic use in swine feed—Does it work?

Thursday, July 11

- Mixed Models Workshop (all day Thursday and Friday am)
- Meat Science and Muscle Biology: Preharvest factors affecting the prevalence of pathogens in livestock and meat
- ADSA/ASAS Graduate Student Symposium: How to communicate science successfully using media outlets
- Ruminant Nutrition Symposium: Burk Dehority: Swimming in the rumen with protozoa
- ADSA-ASAS Northeast Section Symposium: Optimal land use for Northeast farms: Growing crops and feeding animals
- ADSA Southern Section Symposium: Strategies for managing reproduction and udder health in heat-stressed dairy cows
- Follow-up to Innovate 2012: We talked about funding issues...now what?
- Reproduction Symposium: External influences on reproductive neuroendocrinology

Friday, July 12

- CDGKV Inaugural Genetics Symposium
- Production, Management and the Environment: Confinement animal agriculture sustainability
- EAAP-ASAS Inaugural Global Hot Topics Symposium: Genetics revolution
- Communicating Animal Science in the Popular Media (Workshop)

Program Highlights CONTINUED

Workshop Topics

The following workshops will be offered at the 2013 JAM:

Interactive Workshop on Teaching and Learning in the Animal Sciences: Challenging Old Assumptions and Breaking New Ground for the 21st Century: Redesigning the Curriculum and the Classroom

This workshop will help participants to reconsider their teaching in order to operate at the forefront of ideas in college education. The morning session will focus on using high-impact practices (HIPs) as a means to add value to a curriculum without adding courses. The afternoon session will focus on redesigning the animal science classrooms to enrich the in-class teaching and learning experience. The three invited speakers (Noelle Cockett, Utah State University; Debra Aaron, University of Kentucky; and Michel Wattiaux, University of Wisconsin-Madison) will set the stage prior to breakout sessions during which participants will share experience, gain new insights, and discuss learning goals, evaluation and assessment, and how to improve student experience in specific

disciplines within the animal sciences undergraduate program (e.g., nutrition, genetics, management, physiology).

Mixed Models Workshop

The Mixed Models Workshop provides a comprehensive exposition of proper statistical data analysis and power determinations of commonly used experimental designs in the animal sciences; our approach is example-driven and primarily based on the various mixed model analysis procedures available in SAS software.

Communicating Animal Science in the Popular Media, sponsored by ASAS

Join media professionals for a media and public relations workshop designed specifically for animal scientists and producers. Learn about effective communication in print, audio, and visual media. Practice your skills and see how communicating research can affect public perception of science. This workshop is sponsored by the American Society of Animal Science and is open to all JAM attendees. Because the workshop is interactive, space is limited to 25 attendees; preregistration is required.

Special Events

New in 2013!

Coffee and pastries will be served in the exhibit hall on Tuesday, Wednesday, and Thursday from 8:00 to 9:00 am. Please make time to talk with our exhibitors while you are enjoying complimentary coffee and pastry!

ASAS Undergraduate Academic Quadrathlon

Sunday to Tuesday

See times and locations below

ASAS is excited to offer our 4 regional championship team undergraduates the chance to compete for the National Academic Quadrathlon (AQ) title. The AQ has been an integral part of ASAS history and we are excited to use it as a platform to integrate more undergraduate involvement at our meetings. The lab practicum will be hosted at Purdue University in West Lafayette on Sunday and then the AQ students will join us in Indianapolis to compete head-to-head in the quiz bowl. Quiz bowl finals will be held immediately after the ASAS awards on Tuesday night. Please come out and support our undergraduates.

Sunday, July 7: Practicum (Purdue University)

Monday, July 8: Written exam and oral reports (Westin)

Tuesday, July 9: Quiz bowl and quiz bowl final (Westin)

ADSA Student Tour (option 1): Indianapolis Motor Speedway and Kelsay Farms Dairy Tour

Sunday, July 7

12:00 – 5:30 pm

Bus departs from Sheraton

Departing from the lobby of the SAD hotel, we will travel via motor coach to nearby Whiteland, Indiana, to visit Kelsay Farms, LLC. This sixth-generation 500-cow dairy and 2200-acre crop farm also has a very successful agritourism business, hosting nearly 10,000 visitors annually. From there, we will board the bus and travel to the Indianapolis Motor Speedway and Museum, home of the Indianapolis 500 and the Brickyard 400 for a complete Grounds Tour. The Grounds Tour includes

admission to the Hall of Fame Museum and a ride around the famed 2.5-mile oval, as well as visits to the timing-and-scoring suite in the Pagoda, the Media Center, Victory Podium, Gasoline Alley garage area and the world-famous "Yard of Bricks" at the start/finish line. Tour is open undergraduate and graduate students. Ticket price includes transportation, Speedway tour ticket, and dairy tour ticket.

ADSA Student Tour (option 2): Indianapolis Motor Speedway (Museum ticket only) and Kelsay Farms Dairy Tour

Sunday, July 7

12:00 – 4:00 pm

Bus departs from Sheraton

This shorter tour option includes the complete Kelsay Farm tour and an abbreviated Speedway visit that includes admission to the Raceway Museum only (and excludes the Grounds Tour and track lap). Ticket price includes transportation, Speedway Museum ticket, and dairy tour ticket.

SAD Student Informal Mixer

Sunday, July 7

6:30 pm

Meet in Sheraton lobby or at Colts Grille restaurant

Jump start the week with good food, good music, and good friends at the Sunday student mixer at Colts Grille, Indianapolis' premier sports restaurant celebrating the hometown favorite Indianapolis Colts.

SAD Undergraduate Midday Mixer and Lunch

Monday, July 8

12:00 – 1:00 pm

Convention Center

Join your fellow dairy clubs for a fun hour of getting reacquainted and making new friends, and get to know your 2013–2014 officer candidates. Registration is limited to undergraduate students and advisors.

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Special Events CONTINUED

SAD Dairy Quiz Bowl Final Round

Monday, July 8

5:30 – 6:00 pm

Convention Center

On Monday, university teams from across North America will compete in the ADSA-SAD Dairy Quiz Bowl. The event gives schools an opportunity to demonstrate their knowledge about dairy production, processing, and ADSA history. The Student Affiliate Division (SAD) invites you to join them for the excitement of the final round of competition as the top two schools go head-to-head for the title of 2013 Dairy Quiz Bowl Winning Team.

ADSA Graduate Student Division Business Meeting

Monday, July 8

6:00 – 6:45 pm

Convention Center

Meet the incoming officer team and voice your ideas and opinions about ADSA GSD activities. Enjoy conversations with your fellow graduate students and complimentary snacks.

Opening Session

Monday, July 8

7:00 – 8:00 pm

Convention Center

Join us as we kick off the 2013 JAM at the opening session. This year's session will feature a presentation by Philip E. Nelson, Scholle Endowed Chair in Food Processing and Professor Emeritus at Purdue University and 2007 World Food Prize Laureate (the "Nobel" prize in food and agriculture). Dr. Nelson's talk will be titled "What a Difference a Day Makes... Advances in Aseptic Processing."

Opening Reception

Monday, July 8

8:00 – 10:00 pm

Convention Center

Wind down the evening by joining us after the opening session for food and drinks and some long-awaited socializing time with colleagues and friends.

ADSA-SAD Undergraduate Poster Competition

Tuesday, July 9

Convention Center

New this year: In addition to their oral presentations, undergraduate students will be presenting posters in the exhibit hall. One poster is allowed per school. Please plan time to visit the posters on Tuesday morning or attend the oral presentations on Tuesday afternoon. See program for complete details.

Spouse Event 1: Indianapolis Memorial Tour

Tuesday, July 9

11:00 am – 2:00 pm

This motor coach tour will take you all around Indianapolis for a tour of the many war memorials located in Indianapolis. The Colonel Eli Lilly Civil War Museums will be one of your stops, along with the famed Medal of Honor Memorial. Lunch is included with the tour price. Preregistration for this event is required; capacity is limited, so register early!

ADSA Graduate Student Division Career Insights Lunch,

sponsored by Novus International Inc.

Tuesday, July 9

12:30 – 2:00 pm

Convention Center

Through informal conversations at each roundtable, graduate students will learn from table leaders (members with hiring responsibilities) and be able to ask frank questions about how to get an interview, how to win them over in an interview, and how to thrive once in the position.

Stay for the entire lunch time or just as long as you can. Registration is required and the \$5 fee includes a box lunch. Thanks to Novus International Inc. for making this lunch possible through their generous sponsorship!

Undergraduate Lunch and Learn: Preparing for the Future,

sponsored by ASAS

Tuesday, July 9

12:30 – 2:00 pm

Westin Indianapolis

This interactive discussion will focus on how to evaluate and make decisions that will enable students to effectively prepare for their future. Future career options and opportunities after graduation will be discussed during this undergraduate event titled "Preparing for the Future."

ASAS President's Picks Posters

Tuesday, July 9

6:00 – 9:00 pm

Westin Indianapolis

The new President's Picks session was well received in 2012, so we are bringing it back for 2013. We will display 10 to 20 posters beginning 30 minutes before the ASAS awards. The posters will represent science that the current ASAS president finds innovative and exciting! Take a moment to walk through the posters and see what Dr. Sartin thinks is new and exciting at JAM this year.

ASAS Awards Program

Tuesday, July 9

7:00 – 8:30 pm

Westin Indianapolis

All meeting participants, families, and friends are welcome to attend the ASAS awards program. Please join us at this special event to recognize and congratulate the 2013 ASAS award winners. The 2013 Awards Celebration follows immediately after the awards ceremony.

ASAS Awards Celebration

Tuesday, July 9

8:30 pm

Westin Indianapolis

Come and join ASAS after our awards ceremony to celebrate and congratulate all of the 2013 ASAS award winners. ASAS and sponsors welcome you to this exciting reception. We will have food and cash bars and designated areas where you can meet with award winners and colleagues.

ASAS Graduate Student Mixer

Tuesday, July 9

9:00 pm

Location TBD

Join your fellow graduate students from ASAS at a mixer for all to enjoy. This event will provide an opportunity to catch up with old friends and make new ones, so don't miss it. Preregistration is highly recommended.

ADSA-SAD Student Mixer

Tuesday, July 9

7:00 pm

Sheraton City Centre, Poolside

Celebrate a great week at ADSA! Rock the night away with good music, good food, and good friends, all poolside on a balmy summer night – it doesn't get any better than this! Ticket price includes soft drinks and dinner. Don't miss this one – it's always a highlight of the meeting!

Special Events CONTINUED

ASAS Undergraduate Poster Competition
Wednesday, July 10
7:00 – 9:30 am
Convention Center

In the last 5 years, ASAS undergraduate membership has increased from a few students to more than 1100. With this massive increase in student membership, ASAS has launched several new programming options for our undergraduates. In 2013, we will hold our first national undergraduate research poster competition. Please come out to support our undergraduate presenters.

SAD Career Symposium
Wednesday, July 10
9:30 – 11:00 am
Convention Center

Students will have the opportunity to visit with industry professionals representing various facets of the animal agriculture industry. They will learn about careers in the industry, get useful tips on planning for their careers, and much more. Students are encouraged to dress professionally (business casual or better) and bring several copies of their resumes. Students should also plan to visit industry reps in the exhibit hall for information about internships and job opportunities.

Spouse Event 2: Indianapolis Walking Tour
Wednesday, July 10
11:00 am – 1:00 pm

One of the largest urban state parks in the United States is just steps away from the heart of downtown! This tour tells the story of how this industrial area was transformed into the immense green space and community of museums and attractions that we see today. We'll meet at the convention center and begin on the south lawn of the Indiana Statehouse and then stroll along the Central Canal and learn its history, visiting public art installations and war memorials along the way. Lunch is included. Preregistration for this event is required; capacity is limited so register early!

SAD Awards Lunch
Wednesday, July 10
11:45 am – 2:00 pm
Convention Center

Plan to attend this year's SAD awards lunch. The afternoon will be capped with the presentation of student awards and announcement of new SAD officers. Both students and professionals are encouraged to attend. This is a wonderful chance to get to know the next generation of the dairy industry.

ASAS Graduate Student Lunch and Learn
Wednesday, July 10
12:00 – 2:00 pm
Convention Center

This interactive discussion will focus on how to effectively communicate personal selling points, skills, and talents during the interview process. Written and verbal communication techniques and etiquette will be discussed during this event for graduate students titled "*Selling Yourself in an Economy that Isn't Buying.*"

ASAS Foundation Heritage Lunch
Wednesday, July 10
12:30 – 2:00 pm
Westin Indianapolis

The ASAS Foundation has chosen honorees for the third annual ASAS Foundation Heritage Lunch to be held at the Westin Indianapolis. The 2013 honorees are Gordon Dickerson and Weis Burroughs. Please join us at this Foundation fundraiser to honor these two pioneers of animal science.

ADSA Graduate Student Division Dairy Tales
Wednesday, July 10
3:00 – 4:30 pm
Convention Center

Join us for the 2nd annual, and hugely popular, Dairy Tales! Graduate students from dairy production and dairy foods will give presentations on their fields of study. The TED-style talks (10-15 minutes) are meant for an audience of students who are not experts in the field. Confirmed topics include raw milk, tail docking, and transition cow management. A fourth topic will be dairy foods-focused. The event is free, but please preregister to stay informed about the program.

ASAS JAS and Animal Frontiers Editorial Meeting and Open Forum
Wednesday, July 10
4:00 – 5:00 pm
Convention Center

Attendees, division editors, and associate division editors are invited to the *Journal of Animal Science* and *Animal Frontiers* Open Forum to discuss the current status of the journals and future development opportunities.

AnimalSmart.org Birthday Party
Wednesday, July 10
5:00 – 6:00 pm
Convention Center

It is hard to believe that AnimalSmart.org went live only last year at the 2012 JAM. In the short time since launch, AnimalSmart.org now receives 20,000 unique users monthly and has served as the launch program for our new Junior Animal Scientist program. Join us as we celebrate AnimalSmart.org's first birthday.

ADSA Awards Program
Wednesday, July 10
7:00 – 8:00 pm
Hyatt Regency Indianapolis

All meeting participants, families, and friends are welcome to attend the 2013 ADSA awards program. Please join us at this special event at the Hyatt Regency to recognize and congratulate the 2013 award winners.

JAM Ice Cream Social, sponsored by ADSA
Wednesday, July 10
8:15 – 9:30 pm
Hyatt Regency Indianapolis

All meeting participants, families, friends, and award donors are invited to join us for the always-popular ice cream social.

ADSA Graduate Student Division Mixer
Wednesday, July 10
9:00 pm – 12:00 am
Cadillac Ranch

Join your fellow graduate students and others at nearby Cadillac Ranch for games, prizes, food, and free drink tickets for the first 100 who enter the door. The event is FREE but you must preregister. Attend to win door prizes and dance the night away with music from a local DJ. Sponsored by Lallemand Animal Nutrition, Arm & Hammer, and Bar Diamond.

Global Networking Reception
Thursday, July 11
4:30 – 6:00 pm
Convention Center

All meeting participants, families, and friends are welcome to attend the closing reception on Wednesday evening. Again this year, attendees will have the opportunity to indicate their home affiliation on a world map, which will be in the exhibit hall before the reception.

Schedule of Events

Scheduling and locations are subject to change without notice. Please refer to your onsite meeting program for the final schedule and room assignments.

Sunday, July 7

All day	ASAS Undergraduate Academic Quadrathlon	Purdue University
7:00 am – 8:00 am	ASAS Membership Committee Meeting	Westin Indianapolis
7:30 am – 5:00 pm	ADSA Board of Directors Meeting	Hyatt Regency Indianapolis
8:00 am – 9:00 am	ASAS New Board Orientation	Westin Indianapolis
9:30 am – 5:30 pm	ASAS Board of Directors Meeting	Westin Indianapolis
12:00 pm – 4:00 pm	ADSA Student Tour option 2.....	Meet in Sheraton lobby
12:00 pm – 5:30 pm	ADSA Student Tour option 1.....	Meet in Sheraton lobby
3:00 pm – 5:00 pm	ARPAS Board of Directors Meeting.....	Hyatt Regency Indianapolis
3:00 pm – 5:00 pm	Registration open (preregistered, badge and material pick-up only)	Convention Center
6:00 pm	ARPAS Executive Committee Dinner Meeting	Location TBD
6:30 pm	ADSA-SAD Student Informal Mixer	Colts Grille

Monday, July 8

All day	ASAS Undergraduate Academic Quadrathlon	Westin Indianapolis
7:00 am – 7:00 pm	Registration open	Convention Center
7:30 am – 10:00 am	ADSA New Board Orientation	Hyatt Regency Indianapolis
8:00 am – 12:30 pm	ASAS Board of Directors Meeting	Westin Indianapolis
8:00 am – 4:30 pm	Workshop: Teaching and Learning in the Animal Sciences ...	Convention Center
8:00 am – 5:00 pm	ARPAS Governing Board Meeting.....	Hyatt Regency Indianapolis
8:00 am – 5:00 pm	Triennial Growth Symposium.....	Convention Center
10:00 am – 11:00 am	ADSA-SAD Officers and Advisor Meeting	Convention Center
10:00 am – 6:00 pm	Exhibit Setup	Convention Center
11:00 am – 12:00 pm	ADSA-SAD Quiz Bowl Officials Meeting	Convention Center
11:30 am – 12:00 pm	ADSA-SAD Quiz Bowl Seating Test	Convention Center
12:00 pm – 1:00 pm	ADSA-SAD Student Midday Mixer and Lunch.....	Convention Center
12:00 pm – 1:00 pm	ADSA JDS Editors and Journal Management Committee Lunch	Hyatt Regency Indianapolis
12:00 pm – 5:00 pm	Hospitality Lounge open	Convention Center
1:00 pm – 3:00 pm	2013 and 2014 Program Committee Meeting.....	Convention Center
1:00 pm – 5:00 pm	ADSA Journal Management Committee Meeting	Hyatt Regency Indianapolis
1:00 pm – 5:00 pm	ADSA-SAD Quiz Bowl Seating/Preliminary Rounds	Convention Center
2:00 pm – 3:00 pm	ADSA Production Division Council Meeting.....	Convention Center
2:00 pm – 3:30 pm	ADSA Foundation Board of Trustees Meeting.....	Hyatt Regency Indianapolis
3:00 pm – 4:00 pm	ADSA Production Division Nominating Committee	Convention Center
3:00 pm – 5:00 pm	Late-Breaking Original Research Session.....	Convention Center
5:00 pm – 6:00 pm	ADSA Dairy Foods Division Council Meeting	Convention Center
5:30 pm – 6:00 pm	ADSA-SAD Quiz Bowl Final Round	Convention Center
6:00 pm – 6:45 pm	ADSA Graduate Student Division Business Meeting	Convention Center
7:00 pm – 8:00 pm	JAM Opening Session	Convention Center
8:00 pm – 10:00 pm	JAM Opening Reception	Convention Center

Tuesday, July 9

All day	ASAS Undergraduate Academic Quadrathlon	Westin Indianapolis
6:15 am – 7:00 am	ADSA-SAD Poster Setup.....	Convention Center
6:30 am – 8:00 am	ADSA Dairy Specialists/Dairy-Related Participants Breakfast.....	Hyatt Regency Indianapolis

Schedule of Events CONTINUED

6:30 am – 5:15 pm	Registration open	Convention Center
7:30 am – 9:30 am	ADSA-SAD Undergraduate Poster Presentations.....	Convention Center
7:30 am – 9:30 am	Poster Presentations	Convention Center
8:00 am – 9:00 am	Coffee and pastries in Exhibit Hall	Convention Center
8:00 am – 9:00 am	Johne’s Disease Interest Group	Convention Center
8:00 am – 9:00 am	Michigan State University Breakfast	Convention Center
8:00 am – 5:00 pm	Commercial Exhibits and ADSA-SAD Exhibits open	Convention Center
8:00 am – 5:00 pm	Job Resource Center open	Convention Center
8:00 am – 5:00 pm	Hospitality Lounge open	Convention Center
8:30 am – 9:30 am	ADSA-SAD Judging of Yearbooks, Scrapbooks, Annual Reports	Convention Center
8:30 am – 9:30 am	ADSA-SAD Interviews for Outstanding Student and Advisor Awards	Convention Center
8:30 am – 9:45 am	ADSA-SAD Activities Symposium	Convention Center
9:30 am – 5:00 pm	Scientific Sessions.....	Convention Center
9:45 am – 10:45 am	ADSA-SAD Business Meeting	Convention Center
10:30 am – 12:30 pm	ARPAS Exam.....	Convention Center
11:00 am – 12:00 pm	Discover Conference Steering Committee	Convention Center
11:00 am – 2:00 pm	Spouse Event 1: Indianapolis Memorial Tour	Convention Center
11:00 am – 5:00 pm	ADSA-SAD Undergraduate Paper Presentations.....	Convention Center
12:30 pm – 2:00 pm	ADSA Graduate Student Division Career Insights Lunch	Convention Center
12:30 pm – 2:00 pm	ASAS Past Presidents’ Lunch	Westin Indianapolis
12:30 pm – 2:00 pm	ADSA Past Presidents’ Lunch	Hyatt Regency Indianapolis
12:30 pm – 2:00 pm	Undergraduate Lunch and Learn: Preparing for the Future (sponsored by ASAS)	Westin Indianapolis
12:30 pm – 2:00 pm	American College of Animal Science (ACAS) Annual Meeting.....	Convention Center
2:00 pm – 4:00 pm	ARPAS Exam.....	Convention Center
5:00 pm – 6:30 pm	Penn State Reception	Hyatt Regency Indianapolis
5:00 pm – 7:00 pm	Informal Calf Gathering	Hyatt Regency Indianapolis
5:30 pm – 7:00 pm	ASAS Award Winners Dinner and Photo Session	Westin Indianapolis
6:00 pm – 9:00 pm	ASAS President’s Picks Posters	Westin Indianapolis
6:30 pm	ADSA-SAD Student Mixer	Sheraton
7:00 pm – 8:30 pm	ASAS Awards Program	Westin Indianapolis
8:30 pm – 11:00 pm	Iowa State Alumni and Friends Reception.....	Westin Indianapolis
8:30 pm – 11:00 pm	Purdue University Reception.....	Westin Indianapolis
8:30 pm	ASAS Awards Celebration.....	Westin Indianapolis
8:30 pm	ASAS Undergraduate Academic Quadrathlon Finals.....	Westin Indianapolis
9:00 pm	ASAS Graduate Student Mixer	Location TBD

Wednesday, July 10

6:30 am – 8:00 am	University of Illinois Breakfast	Westin Indianapolis
6:30 am – 8:00 am	Kentucky Breakfast.....	Westin Indianapolis
6:30 am – 8:00 am	JDS Editorial Board Breakfast/Meeting	Hyatt Regency Indianapolis
6:30 am – 8:00 am	ADSA DF Division Milk Proteins and Enzyme Committee Breakfast	Hyatt Regency Indianapolis
7:00 am – 5:15 pm	Registration open	Convention Center
7:30 am – 9:30 am	Poster Presentations	Convention Center
7:30 am – 9:30 am	ASAS Undergraduate Poster Competition	Convention Center
8:00 am – 9:00 am	Coffee and pastries in Exhibit Hall	Convention Center

Continued on next page

Schedule of Events CONTINUED

8:00 am – 9:00 am	ADSA Spokesperson/Media Training.....Convention Center
8:00 am – 5:00 pm	Commercial Exhibits and ADSA-SAD Exhibits openConvention Center
8:00 am – 5:00 pm	Job Resource Center openConvention Center
8:00 am – 5:00 pm	Hospitality Lounge openConvention Center
8:30 am – 9:30 am	ADSA-SAD Business Meeting–Elec. of Officers.....Convention Center
9:00 am – 10:30 am	ASAS Foundation Board of Trustees Meeting.....Westin Indianapolis
9:30 am – 11:00 am	ADSA-SAD Career Symposium.....Convention Center
9:30 am – 12:30 pm	ARPAS SymposiumConvention Center
9:30 am – 5:00 pm	Scientific Sessions.....Convention Center
10:30 am – 12:00 pm	ASAS Investment Committee MeetingWestin Indianapolis
11:00 am – 1:30 pm	Spouse Event 2: Indianapolis Walking TourConvention Center
11:30 am – 12:30 pm	ADSA Production Division Business Meeting.....Convention Center
11:30 am – 12:30 pm	ADSA Dairy Foods Division Business MeetingConvention Center
11:45 am – 2:00 pm	ADSA-SAD Awards LunchConvention Center
12:00 pm – 2:00 pm	ASAS Graduate Student Lunch and LearnConvention Center
12:30 pm – 2:00 pm	ASAS Foundation Heritage LunchWestin Indianapolis
12:30 pm – 2:00 pm	ARPAS Business Meeting.....Convention Center
12:30 pm – 2:00 pm	ADSA DF Division Program Planning Lunch.....Convention Center
2:00 pm – 3:00 pm	ADSA-SAD Award and Club PhotosConvention Center
2:00 pm – 4:00 pm	ARPAS ExamConvention Center
2:30 pm – 3:30 pm	ADSA-SAD Committee Meeting – Old and New Officers and Advisors.....Convention Center
2:00 pm – 5:00 pm	SAD Exhibits: Pick up Yearbooks and ScrapbooksConvention Center
3:00 pm – 4:30 pm	ADSA Graduate Student Division Dairy TalesConvention Center
4:00 pm – 5:00 pm	ASAS JAS/Animal Frontiers Editorial Meeting and Open ForumConvention Center
5:00 pm – 6:00 pm	AnimalSmart.org Birthday PartyConvention Center
5:00 pm – 6:30 pm	ADSA Award Donor Dinner.....Hyatt Regency Indianapolis
6:30 pm – 8:30 pm	Companion Animal Reception.....Westin Indianapolis
7:00 pm – 8:00 pm	ADSA Awards ProgramHyatt Regency Indianapolis
8:15 pm – 9:30 pm	JAM Ice Cream Social, sponsored by ADSAHyatt Regency Indianapolis
9:00 pm – 12:00 am	ADSA Graduate Student Division MixerCadillac Ranch
Thursday, July 11	
7:00 am – 5:15 pm	Registration openConvention Center
7:30 am – 9:30 am	Poster Presentations.....Convention Center
8:00 am – 9:00 am	Coffee and pastries in Exhibit Hall.....Convention Center
8:00 am – 9:00 am	S-PAC Interest GroupConvention Center
8:00 am – 2:00 pm	Commercial Exhibits openConvention Center
8:00 am – 5:00 pm	Job Resource Center openConvention Center
8:00 am – 5:00 pm	Hospitality Lounge openConvention Center
8:00 am – 5:00 pm	Mixed Models Workshop.....Convention Center
9:30 am – 10:30 am	ASAS Business MeetingConvention Center
9:30 am – 10:30 am	ADSA Business MeetingConvention Center
10:30 am – 5:00 pm	Scientific Sessions.....Convention Center
12:30 pm – 2:30 pm	ADSA Board of Directors MeetingHyatt Regency Indianapolis
2:00 pm – 4:00 pm	ARPAS ExamConvention Center
2:00 pm – 5:00 pm	Commercial Exhibits DismantleConvention Center
2:00 pm – 5:30 pm	Southern Branch ADSA Symposium and Business Meeting.....Convention Center

Schedule of Events CONTINUED

2:00 pm – 6:00 pm	NE ASAS/ADSA Symposium, Business Meeting, Reception and Awards.....Convention Center
2:30 pm – 4:30 pm	ASAS Board of Directors Meeting.....Westin Indianapolis
4:30 pm – 6:00 pm	Global Networking Reception.....Convention Center
Friday, July 12	
8:00 am – 1:00 pm	Registration open.....Convention Center
8:00 am – 12:00 pm	Mixed Models Workshop.....Convention Center
9:00 am – 4:00 pm	Workshop: Communicating Animal Science in the Popular Media (sponsored by ASAS).....Westin Indianapolis
8:30 am – 11:30 am	Scientific Sessions.....Convention Center

Sponsorship Benefits

Sponsorship benefits for the 2013 JAM include the following, depending on the level of sponsorship selected:

- Complimentary exhibit booth
- Complimentary full meeting registrations
- Recognition from the podium at the opening session
- Event naming rights
- Company listing in the program book and abstract CD
- Signage at the meeting
- Post-meeting attendee list
- Company listing on the meeting website
- Link to company website from meeting website
- Listing in onsite newsletter
- Listing and recognition in *Taking Stock* and *ADSA News*

If you or your company would like to sponsor the 2013 JAM, please complete the Sponsorship Pledge Form available online: http://www.jtmtg.org/2013/sponsor_pledge_form.asp

Meeting Sponsors

A SPECIAL THANK YOU TO OUR 2013 JAM SPONSORS

(as of January 30, 2013)

Platinum Level:

Elanco Animal Health
Zoetis

Gold Level:

American Dairy Science Association
American Society of Animal Science (ASAS)
ASAS Foundation
Diamond V
DMI Dairy Research Institute/Innovation Center for US Dairy
EAAP
Micronutrients

Bronze Level:

AAPA
Adisseo
Ajinomoto Heartland
Archer Daniels Midland
Bayer Animal Health
Cargill Inc.
Danisco Animal Nutrition
DSM Nutritional Products
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Varied Industries Corp. (Vi-Cor)

Contributors:

Virtus Nutrition

A SPECIAL THANK YOU TO OUR ADSA EVENT SPONSORS

(as of January 30, 2013)

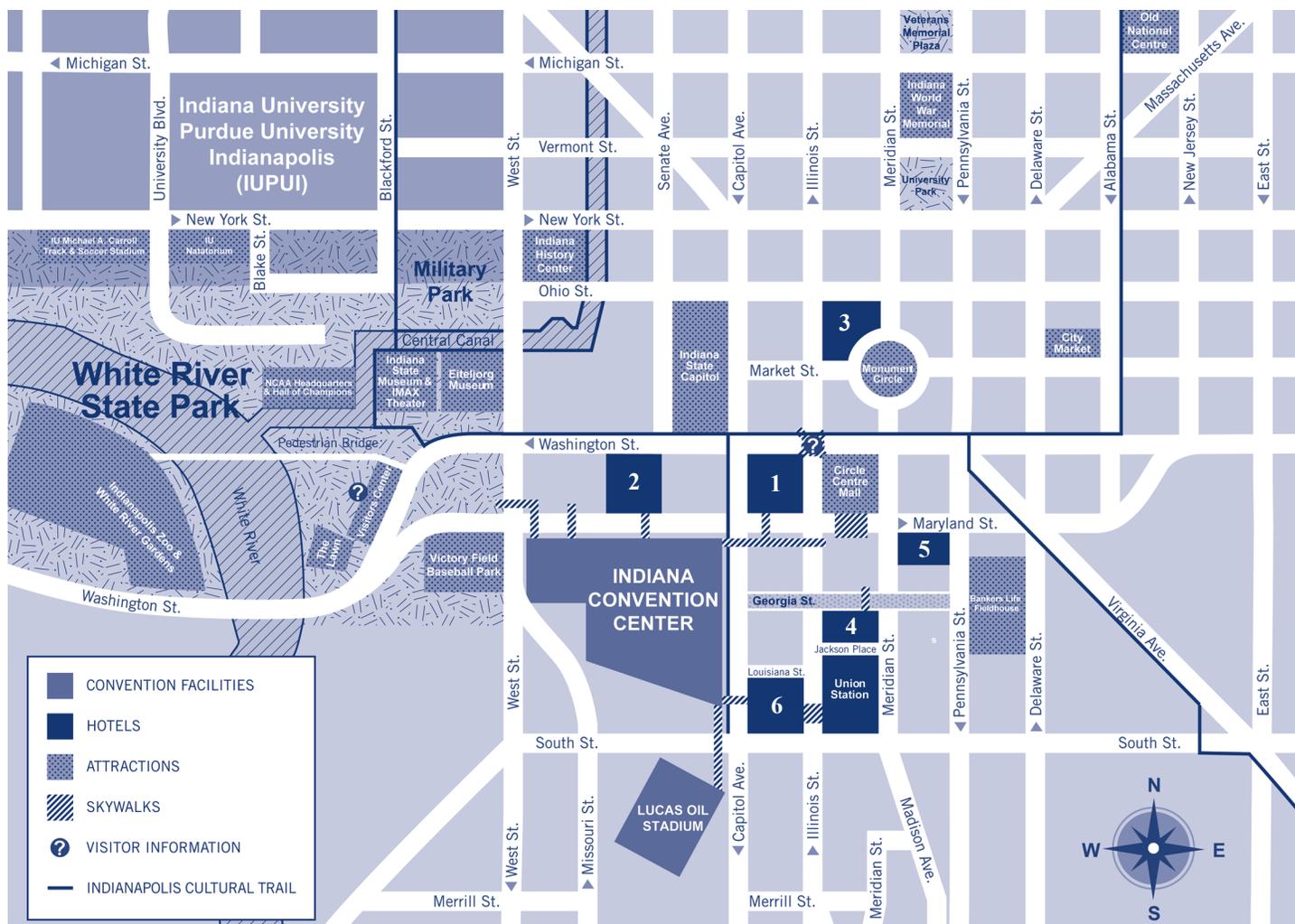
ADSA Graduate Student Division

Novus International Inc.
Lallemand
Arm & Hammer
Bar Diamond

ADSA Multidisciplinary International Leadership Keynote (MILK) Symposium

California Polytechnic State University SLO

Downtown Indianapolis



1. Hyatt Regency
Indianapolis
(ADSA HQ)

2. Westin
Indianapolis
(ASAS HQ)

3. Sheraton City
Centre
(Student HQ)

4. Omni Hotel

5. Hampton Inn

6. Crowne Plaza

2013 Joint Annual Meeting Exhibitor List

(as of January 30, 2013)

AAALAC
Ag Processing Inc.
Alltech
American Dairy Science Association
American Society of Animal Science
American Society of Animal Science Foundation
Animal Frontiers
AnimalSmart.org
Annual Reviews
Arm & Hammer Animal Nutrition
Bar Diamond Inc.
Bruker Optics Inc.
CABI Bookshop
Chr. Hansen
Cumberland Valley Analytical Services
Dairy Records Management
Dairyland Laboratories Inc.

DASCOR Inc.
Diamond V Mills
DSM Nutritional Products
Elementar Americas Inc.
Feed Management Systems
Feedstuffs
H. J. Baker & Bro. Inc.
Jefo Nutrition
Kemin Industries
Lallemand Animal Nutrition
National Animal Health Monitoring System (NAHMS)
PetAg Inc.
SoyBest
SoyPLUS, SoyChlor (West Central)
Unity Scientific
Varied Industries Corporation (Vi-Cor)
Zinpro



2013 JOINT ANNUAL MEETING REGISTRATION FORM

ADSA®-ASAS Professional Members: Save \$50.00 on your registration fees by registering online by 11:59 pm on April 1, 2013, at <http://www.jtmtg.org/2013/Reg.asp>

Member ID# _____ ADSA®
Member ID# _____ ASAS
 First-time attendee

Name _____
Last (Family) First Middle Initial

Preferred first name on badge _____ E-mail _____

Institution/company _____

Business address _____

City _____ State/province _____

Country _____ Zip/postal code _____

Phone _____ Fax _____

Spouses and children are not required to register. To receive a name badge, please provide name(s) below:

Emergency contact name and phone number: _____

REGISTRATION FEES

ADSA-ASAS Professional Member
Nonmember
Retiree/Fellow/Emeritus/Life Member
Postdoc Member
Postdoc Nonmember**
Graduate Student Member
Graduate Student Nonmember**
Undergraduate Student Member
Undergraduate Student Nonmember**
One-day registration

Before June 3 After June 3

\$400 \$550
 \$550 \$650
 \$150 \$175
 \$150 \$200
 \$225 \$375
 \$100 \$175
 \$200 \$250
 \$0 \$50
 \$200 \$250
 \$175* \$175*

ABSTRACT CD

If you would like to purchase an **additional** abstract CD, please check the box below:

Additional Abstract CD \$25

***Please note:** The 1-day option is single price and nonrefundable, and cannot be exchanged for another registration option.

****Nonmember Students and Postdocs:** Become a member of ADSA and save on meeting registration fees. Simply mark (below) the correct membership category and then, in a single payment, include the Student Membership dues with the appropriate student member registration fee for the 2013 Joint Annual Meeting. Membership will be valid through 12/31/2013.

ADSA Undergraduate Student Membership Dues \$5
ADSA Graduate Student Membership Dues \$10
ADSA Postdoc Membership Dues \$55

REGISTER ONLINE: <http://www.jtmtg.org/2013/Reg.asp>

REGISTRATION FORM CONTINUED ►

INDY WELCOMES THE 2013 ADSA®-ASAS JOINT ANNUAL MEETING

July 8-12, 2013

Hotel Reservation Form

GENERAL INFORMATION

Reservations can be made by choosing one of the following methods:

INTERNET: Book your reservation on-line at jtmgtg.org/2013/. **This is the quickest and most effective method.**

FAX: Send completed form to 1.317.262.8270.

PHONE: Call 1.317.262.8191.

MAIL: The 2013 JAM Housing Bureau, 200 S. Capitol Ave., Ste. 300, Indianapolis, IN 46225.

All reservation requests will be made through the Housing Bureau. **DEADLINE: Monday, June 10, 2013.**

ACKNOWLEDGEMENTS: Acknowledgements will be sent after each reservation booking, modification and/or cancellation.

Review acknowledgements carefully for accuracy. If you do not receive an acknowledgement within 3 days after any transaction, please call the Housing Bureau at 1.317.262.8191.

MODIFICATIONS/CANCELLATIONS: Please review carefully. Reservation must be guaranteed by a valid credit card number. Checks will be deposited 7 days prior to arrival date. Credit card processing will be held until checkout. A \$25 cancellation fee will be charged for reservations cancelled on or after Tuesday, June 11, 2013. Reservations cancelled on or after Thursday, June 27, 2013, or no-shows, will be charged one night plus tax by the hotel.

MULTIPLE ROOMS: For reservations of 5 rooms or more, please request the sub-block agreement from Cara Tharp, carat@assoqh.org or housing@visitindy.com.

HOTEL INFORMATION

Type of Room: 1 bed/1 person (1B/1P) _____ 1 bed/2 people (1B/2P) _____ 2 beds/2 people (2B/2P) _____
2 beds/3 people (2B/3P) _____ 2 beds/4 people (2B/4P) _____ Rollaway _____

Number of Rooms: _____ Arrival: _____ Departure: _____ Number of Nights: _____

Hotel Requested:		1B/1P	1B/2P	2B/2P	2B/3P	2B/4P
Westin Indianapolis (ASAS HQ)	_____	\$ 160	\$ 160	\$ 160	\$ 170	\$ 180
Hyatt Regency (ADSA HQ)	_____	\$ 160	\$ 160	\$ 160	\$ 170	\$ 180
Omni Severin	_____	\$ 165	\$ 165	\$ 165	\$ 175	\$ 185
Sheraton City Centre (Student HQ)	_____	\$ 145	\$ 145	\$ 145	\$ 145	\$ 145
Hampton Inn Downtown	_____	\$ 156	\$ 156	\$ 156	\$ 156	\$ 156
Crowne Plaza at Union Station	_____	\$ 155	\$ 155	\$ 155	\$ 155	\$ 155

Requests will be processed on a first-come, first-served basis. If all your choices are unavailable, we will contact you for alternative accommodation choices.

Special requests: Smoking Non-Smoking Handicapped Other _____ Requests are not guaranteed.

DELEGATE INFORMATION

First Name: _____ Initial: _____ Last Name: _____

E-Mail Address: _____ Company/Organization: _____

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Home Phone: _____ Daytime or Cell Phone: _____ Fax: _____

International Prefix and Area Code, If Necessary: _____

Contact Name for Groups: _____

Additional Guests in Room: 1. _____

2. _____

3. _____

PAYMENT INFORMATION

Credit Cards: Visa Mastercard American Express Discover Other _____

Card Number: _____ Expiration Date: _____

Name of Cardholder: _____ Signature: _____

By signing I authorize my credit card to be charged in compliance with the above referenced cancellation policies should I cancel my reservation.

Checks: Check Number: _____ Amount: _____

Make checks payable to The 2013 JAM Housing Bureau • 200 S. Capitol Ave., Ste. 300 • Indianapolis, IN 46225



2013 Joint Annual Meeting
1800 South Oak, Suite 100
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LOOK INSIDE!

General Meeting Information
Symposia Topics
Program Highlights
Special Events
Schedule of Events
Registration Form
Housing Form

For the latest meeting news and updates, visit

<http://www.jtmtg.org/2013>

2014
July 20–24
Kansas City, Missouri
ADSA®-ASAS