









The International Board of Heart Rhythm Examiners (IBHRE) is the global leader in heart rhythm certification. Established in 1985, IBHRE® was the first testing organization founded to raise the level of professionalism and academic credibility in cardiac pacing and electrophysiology. 29 years and over 9,000 certified professionals later, IBHRE remains the certification of choice for physicians and allied professional who successfully validate their mastery of skills, knowledge and abilities through predetermined standards of excellence.

WHY CERTIFY?

HEART RHYTHM PROFESSIONALS
OF ALL BACKGROUNDS, EXPERIENCE
LEVELS, AND SPECIALTY AREAS ACHIEVE
THEIR PROFESSIONAL BEST THROUGH
IBHRE CERTIFICATION.

Credentialing advances a profession by encouraging and recognizing professional achievement. The IBHRE credential plays a vital role in the practice of heart rhythm management by recognizing achievement of an international standard that goes beyond the scope of licensure to:

- Protect the public
- Meet the needs of employers, practitioners, and the public by identifying individuals with certain knowledge and skills
- Assure consumers that professionals have met standards of practice
- Demonstrate an individual's commitment to a profession and to lifelong learning
- Provide an individual with a sense of pride and professional accomplishment

Certification is the formal process by which a certifying agency, such as the International Board of Heart Rhythm Examiners, validates a health care professional's knowledge, skills, and abilities in a defined role and clinical area of practice based on predetermined standards. Physicians and allied health care professionals achieve certification credentials through specialized education, experience in a specialty area, and a qualifying exam. Certification is a profession's official recognition of achievement, expertise, and clinical judgment. It is a mark of excellence that requires continued learning and skill development to maintain.

Why IBHRE? Heart rhythm professionals of all backgrounds, experience levels, and specialty areas achieve their professional best through IBHRE certification. IBHRE offers certification in advanced specialties

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Did you know...?

Within the United States, California currently has the highest number of IBHRE certifieds, with just under 500 recipients.

Topping the international list, the United Kingdom has just over 400 IBHRE certifieds.

Among industry groups, St.
Jude currently has the highest
number of IBHRE certifieds
world-wide with 1,281 recipients.
Medtronic is a close second,
with 1,250 recipients.



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and practice for individuals whose cardiac care skills and knowledge meet predetermined standards of excellence.

IBHRE has certified over 9,000 exceptional health care professionals. As the most prestigious heart rhythm certification group in the world, IBHRE uses a rigorous and extensive test development process to ensure that its exams are fair and accurate measures of professional competency. Exams are built on the results of role delineation studies that identify the knowledge, skills, and abilities required for competent practice in the cardiac pacing and EP specialty. IBHRE item writers develop test questions in each

exam specialty under the guidance of measurement professionals who address the psychometric soundness and legal defensibility of all tests.

As a result, IBHRE certification is recognized by some of the most prominent employers in cardiac health care and is highly regarded by national and international agencies throughout the world. Momentum at the international level is thriving. Practitioners who receive their certification from IBHRE have internationally recognized credentials from an organization with over 25 years of experience in heart rhythm certification.

IBHRE has successfully achieved recognition by the American National Standards Institute (ANSI) under ANSI/ISO/IEC 17024 for professional services rendered in the administration of its certification program. ANSI accreditation is the firmly established global standard for assuring stakeholders of an organization's ability to satisfy quality related requirements. This internationally recognized model measures the quality and consistency of an organization's processes. By conforming to these rigorous service criteria, IBHRE provides its customers—the cardiac care community—with confidence in its ability to consistently deliver the highest quality credentialing services.



Did you know...?

50 percent of industry and clinical employers now require employees to obtain IBHRE certification for hire and/or career advancement.

Nurse practitioners and Physician Assistants have an 83 percent pass rate on the Cardiac Rhythm Device Therapy Exam.

IBHRE Annual Surveys show that organizations recognize a higher level of performance from IBHRE certificants.

Get more info on IBHRE's Statistics page!

PHYSICIAN EP EXAM – ADVANCING EP COMPETENCY AROUND THE GLOBE

IBHRE has long recognized that global standardization of knowledge is critical for the advancement of the heart rhythm profession.

Given the specialized knowledge necessary to provide an acceptable level of care for the arrhythmia patient, it is essential that some measure of competence be expected of the healthcare professional. In 2011, IBHRE introduced the long-anticipated Examination for Competency in Cardiac Electrophysiology for the Physician. The Physician EP exam was developed to fill a gap in the quality of EP knowledge around the globe. The exam evaluates knowledge and judgment in the broad domain of clinical cardiac electrophysiology and the diagnosis and treatment of patients who suffer from heart rhythm disorders.

With a core electrophysiology component and one of two modules for the physician – Adult Electrophysiology or Pediatric Electrophysiology; those who qualify may elect to take either of the two examinations. The exam validates EP knowledge for international, pediatric and qualifying U.S. physicians who are not board eligible for the U.S. EP Board Exam administered by the American Board of Internal Medicine (ABIM). IBHRE responded to the need to develop an international examination to certify physicians in EP who are qualified by their training or experience to take such an exam, but who may be ineligible through the ABIM pathway.

Three specific groups of physicians benefit from the IBHRE Physician EP Certification:

1. PEDIATRIC CARDIOLOGISTS

Pediatric Cardiologists with special training and expertise in cardiac electrophysiology are not eligible to take the U.S. ABIM EP Board Exam, as it requires adult cardiology certification. Currently, Pediatric EPs in the U.S. have no route to board certification beyond the Pediatric Cardiology Sub-Board examination of the American Board of Pediatrics. There are no third-tier examinations available for any of the subspecialties of pediatric cardiology. IBHRE's Physician EP exam is designed to provide a route to board certification for pediatric cardiologists who have completed advanced training in Pediatric EP.

2. U.S. PHYSICIANS WHO OBTAINED PART OR ALL OF THEIR EDUCATION ABROAD

ABIM requires that the physician must be U.S. Board Certified in both Internal Medicine and Cardiovascular Medicine. Many physicians in the U.S. have received a portion or all of their Internal Medicine or Cardiovascular Medicine training outside of the U.S. IBHRE's Physician EP exam is designed to provide a route to board certification for U.S physicians who have completed part or all of their medical education and EP training in other countries.







3. PHYSICIANS IN COUNTRIES SUCH AS CANADA, AUSTRALIA, CHINA, INDIA, JAPAN, AND THE MIDDLE EAST

Physicians outside of the U.S. would like to be board certified in EP but they do not meet the U.S. requirements. IBHRE's Physician EP exam is designed to provide a route to board certification for physicians in other countries who have completed all of their medical education and EP training in their country.

The exam is not available to ABIM eligible candidates. Physicians who have had all of their training in the United States and are

eligible to sit for the ABIM Internal Medicine, Cardiovascular Medicine, and Clinical Cardiac Electrophysiology Board exams should utilize that pathway to achieve Board Certification.

Specific education and training is required to sit for the IBHRE Physician EP exam. Applicants must be licensed physicians with active involvement in the clinical management and care of adult or pediatric patients. Physicians must also have successfully completed training equivalent to an accredited medical school, residency

and fellowship. Physicians that were trained prior to the availability of EP-specific training programs (generally prior to the late 1990s) would be able to take the exam based on confirmation of appropriate exposure to EP and continued practice as an EP. Successful certificants receive the credential of Certified Electrophysiology Specialist, Physician (CEPS).

IBHRE's Physician EP exam has made way for qualified physicians to establish a defined profile of expertise, gain insight into new clinical knowledge and elevate their status in the field.

Meet the first group of 2011 IBHRE Physician EP Certificants (CEPS):

Amin, Mohammad I., MD, CEPS
Blaufox, Andrew D., MD, CEPS
Cannon, Bryan C., MD, CEPS
Christiansen, James L., MD, CEPS
Durik, Matthew V., MD, CEPS
Emorl, Tetsuro, MD, CEPS
Gonzalez Corcia, Cecilia M.,
MD, CEPS

MD, CEPS Goya, Garbine, MD, CEPS Han, Seongwook, MD, CEPS Helguera, Marcelo E., MD, CEPS Hulse, J Edward, MD, CEPS Hussein, Ahmed A., MD, CEPS Islam, Nilofar H., MD, CEPS Iyer, V. Ramesh, MD, CEPS Kalavakolanu, Sharada, MD, CEPS Karthigesan, Arumugam Murugesan, MD, CEPS

Katsouras, Grigorios E., MD, CEPS LaPage, Martin J., MD, CEPS Leong, Fong T., MD, CEPS Makanjee, Bhavanesh, MD, CEPS Mandapati, Ravi, MD, CEPS
Nagarajan, Darbhamulla V., MD, CEPS
Navarrete, Antonio J., MD, CEPS
Nayyar, Sachin, MD, CEPS
Nishida, Kunihiro, MD, CEPS
Oakes, David F., MD, CEPS
Peralta, Adelqui, MD, CEPS
Pinski, Sergio L., MD, CEPS
Prakash, Atul, MD, CEPS
Prasertwitayakij, Narawudt, MD, CEPS
Ramanna, Hemanth, MD, CEPS

Salim, Mubadda A., MD, CEPS Seller, Neil, MD, CEPS Shah, Maully J., MD, CEPS Slater, Charles, MD, CEPS Stanley, Anthony P. J., MD, CEPS Tan, Boon Yew, MD, CEPS Temple, Joel D., MD, CEPS Teodorovich, Nicholay, MD, CEPS Thal, Sergio G., MD, CEPS Valtuille, Lucas S., MD, CEPS Yoshimoto, Jun, MD, CEPS

NEWLY CERTIFIED CCDS AND CEPS RECIPIENTS

2012 Allied EP Exam Certificants (CEPS)

Ali, Ken M., CEPS Andrade, Luis, CEPS Applegate, Della S., CEPS Asarerk, Pariyakorn, CEPS Barnette, Phillip J., CEPS Bernardo, Ricardo A D, CEPS Berry, Carolyn R., CEPS Blankenhorn, Sarah K., CEPS Borisov, Anna S., CEPS Bothwell, Joe , CEPS Bourgeois, Neil P., CEPS Brizzolara, Angela, CEPS Burchardt, Cassandra C., CEPS Burnside, Judith C., CEPS Campadonico, Andrew, CEPS Campbell, Iain B., CEPS Campbell, Susan R., CEPS Chen, Jui-Min , CEPS Choffel, James, CEPS Choi, Ok, CEPS Cirmo, Thomas A., CEPS Clancy, Michael F., CEPS Clark, Jamie E., CEPS Coetzer, Laura, CEPS Coetzer, Marco F., CEPS Concannon, Christopher S., CEPS Cox, Scott J., CEPS Crew, Irene, CEPS Crouse, Christopher E., CEPS Crum, David M., CEPS Cullen, Jeffrey P., CEPS Daniel, Clark L., CEPS Darr, Dixie L., CEPS Davis, Dwayne , CEPS DeRocco, Lynn Teeple, CEPS DeVoire, Gregory, CEPS Dewan, Nikhil, CEPS Dixon, Griffin S., CEPS Dongas, Vasili, CEPS Ebbesen, Jackson J., CEPS

Elsener, Sarah M., CEPS Evans, Shane S., CEPS Exton, Shane A., CEPS Federle, Leda, CEPS Fernandez, Andrea, CEPS Field, Julie W., CEPS Fiorito, Stacey, CEPS Flynn, Elizabeth C., CEPS Frazier, Charlie G., CEPS Fullmer, David E., CEPS Gadaleta, Michael G., CEPS Gervais, Kristen A., CEPS Gidwani, Pratik, CEPS Gilbert, Mitchell K., CEPS Giron, Joseph A., CEPS Go, Nicole Hyunju, CEPS Green, James M., CEPS Halvorson, Rachael, CEPS Harris, Brenda L., CEPS Hayes, Kyle Patrick, CEPS Heimann, Mark D., CEPS Hewitt, Craig, CEPS Honeck, Jordon D., CEPS Houck, Steven P., CEPS Humphrey, James A., CEPS Huynh, Danny, CEPS Jacob, Benjamin Vadasserial, CEPS Jensen, Christopher J., CEPS Jones, Edward T., CEPS Kahrs, Karen , CEPS Kajfosz, Christopher, CEPS Kenyon, Scott, CEPS Khan, Haroon M., CEPS Kindy, Chris, CEPS Kingan, Jonathan D., CEPS Knight, Kim Rose Jane, CEPS Korthas, Matthew, CEPS Kramer, Scott , CEPS Kutieleh, Rayed , CEPS Lacker, Micki G., CEPS Lancaster, Janette, CEPS Larson, Matthew D., CEPS

Leon, Ryan D., CEPS

Lim, Zhen Lin, CEPS Lough, Kori M., CEPS Low, Siew T., CEPS Lowe, Sarah, CEPS Lundeen, Forrest K., CEPS Lundy, Krista M., CEPS Lynk, Winston, CEPS Marsh, Megan E., CEPS Mathieson, Susan L., CEPS McCarthy, Troy R., CEPS MCDONALD, ANITA L., CEPS McGill, Jason J., CEPS McNeil, Lori L., CEPS Melcher, Matthew T., CEPS Mendeloff, Jared, CEPS Miller, Ayanna H., CEPS Mitchell, Bryan S., CEPS Monteiro, Nuno A., CEPS Morris, Darin W., CEPS Mullins, John A., CEPS Mumford, Jason A., CEPS Nagel, Richard, CEPS New, Caroline, CEPS Newman, Brooke M., CEPS Nicholson, Phillip D., CEPS Norris, Jon E., CEPS Olsen, Anna E., CEPS Olsen, Eric A., CEPS Ori, David J., CEPS Pan, Fengchao, CEPS Pasko, Sue A., CEPS Pearce, Nicola K., CEPS Pereira, Helder, CEPS Petty, William C., CEPS Polce, Rocco J., CEPS Pollard, Howard C., CEPS Prusmack, John L., CEPS Quain, Tobi A., CEPS Racenet, Laurie K., CEPS Ramaswamy, Sabarivasan, CEPS Rathod, Sharad J., CEPS Reade, Lynn M., CEPS Reiter, Matthew S., CEPS

Ritz, Jennifer L., CEPS Robinson, Kathryn, CEPS Ruff, Jason D., CEPS Salahuddin, Afrah , CEPS Salter, Christina D., CEPS Sanders, John B., CEPS Saravanan, Sabari, CEPS Scott, Nathan W., CEPS Sears, Pamela D., CEPS Sellke, Joshua, CEPS Seton, David C., CEPS Shizuma, Kengo, CEPS Shoemaker, Jonathan D., CEPS Shriver, Joshua J., CEPS Silipo, Enzo , CEPS Sweesy, Matthew , CEPS Tate, John J., CEPS Tevault, Arby M., CEPS Thaman, Mary Ann, CEPS Thomas, Katherine Ann, CEPS Thurston, Keith A., CEPS Tie, Calvin J., CEPS Todd, Jeffrey E., CEPS Valente, Ana Marta Félix, CEPS Valentine, Joanne C., CEPS Waldrop, Thomas B., CEPS Walker, Gary J., CEPS Walsh, Lauren S., CEPS WARD, Jacqueline, CEPS Weatherley, Paul D., CEPS Whittam, Sarah W., CEPS Witte, Joseph M., CEPS Wojciechowski, Michael B., CEPS Wortham, Molan C., CEPS Wright, Jeffrey A., CEPS Wright, Piers E.C., CEPS Xu, Yibin, CEPS Yanhong Jb, Li, CEPS Young, Megan P., CEPS Yun, JongPil, CEPS Zapalac, Holly B., CEPS Zega, Karen, CEPS







EMPLOYERS

The benefits of specialty certification reach throughout the healthcare system—from physicians and allieds, to the profession, and employers, patients, and families. Certification validates your knowledge and skills, improves quality and safety, and gives patients a benchmark to measure the level of care they can expect to receive at your healthcare facility. As heart rhythm disorders become increasingly complex, physicians and allieds alike are called upon to perform ever more sophisticated care. **Certification helps ensure** that their expertise and clinical judgment keep pace.

Don't Forget to Recertify!

"The EP physician I work with has greater confidence in me because I chose to recertify."

-2012 IBHRE Recertificant



RECERTIFICATION

Recertification of your IBHRE designation, by way of re-examination, is essential to maintaining and demonstrating continued competency.

Recertification is required every ten (10) years after your initial certification. After the first five (5) years following your designation, you must also attest to have been actively involved in professional development activities related to your IBHRE certification.



3 STEPS TO RECERTIFICATION

- To be eligible for recertification, candidates must:
 - Have 45 contact hours of IBHRE certification-related professional development activities
 - · Remain in good standing within the medical community
 - · Attest to remaining involved in the field of cardiac rhythm management
 - *Those who fail to meet these requirements will be ineligible to recertify
- Five (5) years after initial certification: attest to 45 contact hours of IBHRE certification-related professional development activities
 - IBHRE certificants must file a professional development activities form and pay a processing fee by December 31 of the fifth year of their certification (found on IBHRE website)
 - Activities may include [but are not limited to]:
 - · Lectures/presentations
 - Publications
 - College/university credits
 - · Industry training
 - · Online education
 - · Conferences and seminars
 - · Other qualified activities listed on www.IBHRE.org
 - Minimum hours must be completed in order to recertify
- Ten (10) years post initial certification: retake examination to maintain certification
 - Certificants must indicate on the exam application that they are taking the exam to recertify
 - All application and exam fees must be paid and the required documents provided
 - Failure to pass the recertification exam will result in the candidate's lapse of certification







EMPLOYERS SEEK CERTIFIED PROFESSIONALS

Professional certifications are becoming a top priority for licensed physicians and health care professionals in practices across the globe.

Employers are seeking to hire personnel who not only have the proper work experience, but also demonstrate mastery of the essential foundation of knowledge that is required in their profession. The examinations provided by IBHRE measure and test candidates' vital competencies related to cardiac pacing and electrophysiology, and assess how well they are able to apply this knowledge in daily practices.

The number of individuals living with heart rhythm disorders is continuously increasing, and to ensure optimal care delivery, it is critical that health care providers are equipped with

the proper experience and knowledge related to cardiac rhythm management. Becoming IBHRE-certified undeniably enhances the clinical knowledge and technical proficiency of the heart rhythm professional. IBHRE-certified professionals enhance the credibility of their medical practices and gain a significant competitive advantage in their field of work. More than 50 percent of certificants have stated that receiving the certification also helped them improve as a practitioner.

"I feel a sense of personal confidence in what I do every day. It was personal satisfaction that drove me to achieve IBHRE certification and now that I have it, I feel more confident and willing to have complex discussions with physicians."

-2012 Certificant

IBHRE certificants make invaluable contributions towards properly diagnosing heart rhythm disorders and providing employers and patients with the reassurance that comes with proven experience and qualifications.











QUICK TIPS!

> DEADLINES

Registration closes
February 21, 2013 for the
Cardiac Rhythm Device Therapy
Exam for Physicians and Allied
Professionals (visit www.IBHRE.
org to view the exam calendar)

> BECOME A FELLOW OF THE HEART RHYTHM SOCIETY (FHRS THROUGH IBHRE

CERTIFICATION)
IBHRE certification can bring
you one step closer to FHRS
status! Visit www.hrsonline.
org/Membership/Join/Fellow.
cfm for information on FHRS

cfm for information on FHRS credentials and becoming a member

> LOOKING FOR A TESTING CENTER?

IBHRE exams are administered by computer-based testing at Prometric Test Centers worldwide. To locate a test center near you, visit www.prometric.com/ IBHRE

> IBHRE CERTIFIED MERCHANDISE

Find personalized IBHREbranded merchandise at our online store **www.ibhre. specialtiesincdpromos.com/ hotitems**

> RECERTIFYING?

Don't forget! Professional
Development Activities forms are
due by December 31 of the fifth
year of certification for those who
are in the process of recertifying (a
full list of acceptable activities can
be found at www.IBHRE.org)

"If I had not taken the [recertification] exam I feel the hospital would have taken a step backward. I think patients appreciate knowing I am certified."

-2012 Certificant



GET INVOLVED! 2013 CALL FOR LEADERSHIP

Play a leadership role in the largest and most prestigious international credentialing organization for heart rhythm professionals. Serve as a test writer or be amongst the first to serve on the new content experts committee to develop learning programs for heart rhythm professionals.

Beginning in January 2013, IBHRE will be accepting applications for positions on the Board of Directors, Test Writing Committees, Content Experts Committee, and IBHRE Ambassadors. For the

first time, certifieds who work in industry groups are invited to participate as Ambassadors and as Content Experts. International certifieds are strongly encouraged to join in as well. Check IBHRE.org for updates and nominations materials!



FEATURED TESTIMONIAL

Making the commitment to prepare for a certification exam is not an easy thing, particularly in light of competing priorities and obligations. While traditional preparation methods, such as reading textbooks or taking notes in a notebook, work for many, some exam takers have decided to get in touch with their creative sides and put a little originality into their studies. One certified professional shares the unique study tactics he used in preparation for one of the more challenging tests in the medical field.

In 2009, Khodr Oulleik, a CRM Division Manager for St. Jude Medical (SJM) in the Middle East, decided it was in his best interest to take the IBHRE Allied Professional Cardiac Rhythm Device Therapy Exam. Knowing that very few allied professionals in the Middle East were designated with an IBHRE certification, Oulleik saw taking the exam as an opportunity to advance his career within SJM and to enhance his personal achievement in the medical field.

Oulleik began preparing months in advance to ensure he would be properly equipped to pass the exam. "I had a

summertime helped me to focus on this,"
Oulleik stated. "It was actually Ramadan,
our fasting month, during which I started
studying at 10 p.m. and finished at 4 a.m.
every morning just before the last allowed
meal for almost 25 days."

one-month very extensive plan for studying where

Oulleik studied by organizing different subjects

according to difficulty. He strategically placed posters on the walls and closets throughout the house and reviewed these posters again and again.

In addition to the posters, he came up with unique tricks and techniques to assist him in remembering troublesome topics. "To remember drugs, which are usually a pain in the neck, I decided to match the names of people I know with important drugs in EP," Oulleik stated.

Oulleik's hard work and distinctive study methods paid off. He passed the IBHRE exam and acquired his official designation as a Certified Cardiac Device Specialist (CCDS). After receiving notification of his new achievement, Oulleik thanked all of those who had motivated him to pursue and achieve an IBHRE certification.

"I must tell you that I have full respect for those who pass this exam because it is not just something anyone can pass," stated Oulleik. "I am proud to be IBHRE certified!"

SHARE YOUR IBHRE TESTIMONIAL

Share your thoughts and experiences as an IBHRE certificant by contributing to our Testimonial Campaign! Check www.ibhre.org to take our online survey.







The International Board of Heart Rhythm Examiners (IBHRE) congratulates the 748 men and women who received their IBHRE certifications throughout 2012. We also commend those employers who uphold to the highest standard of heart rhythm competency by employing certified professionals in the expectation of enhancing the profession and improving the quality of care of medical practices around the world.

CELEBRATING OUR NEWLY CERTIFIED CCDS AND CEPS RECIPIENTS:

2012 IBHRE ALLIED PACING CERTIFICANTS (CCDS)

Abel, Molli Caitlyn, CCDS Aftab, Nasrin , CCDS Aida, Noriaki, CCDS Aizu, Yui, CCDS Ajima, Mikiko, CCDS Akasako, Takahiro, CCDS Alani, Amira L., CCDS Alexander, William David, CCDS Alston, Gianna, CCDS Ando, Takumi, CCDS Aoki, Takahiro, CCDS Arneson, Gene D., CCDS Arter, James Chapman, CCDS Arthur, Adam, CCDS Atake, Yukihisa, CCDS Ayers, Jessica A., CCDS Azumi, Kozo, CCDS Baertsch, Amanda J., CCDS Bai, Mei, CCDS Baird, George B., CCDS Bamford, Jodie L., CCDS Banerjee, Elizabeth H., CCDS Banning, Ryan, CCDS Barker, Karla M., CCDS Barnard, Asha G., CCDS Beeman, Amy L., CCDS Behzadi, Setareh, CCDS Beij, Teunis Gerrit, CCDS Belsar, Simone C., CCDS Berry, Carolyn R., CCDS Bethard, Tracy A., CCDS Biermann, Mark B., CCDS Bonneau, Peter W., CCDS
Breaux, Kristen, CCDS Bredehoft, Matthew R., CCDS Brotz, Barbara A., CCDS Broussard, Kerri L., CCDS Brown, Matthew, CCDS Burgess, Dillon, CCDS Butts, Laurie J., CCDS Cambridge, Alex J., CCDS Cannon, Joyce S., CCDS Carmack, Lyle S., CCDS Casella, Peter A., CCDS Castro, Mariano F., CCDS Caudill, William P., CCDS Ceretto, Cheryl A., CCDS Chang, Hong-Yueh, CCDS Charlton, Thomas A., CCDS Checkur, Barbara A., CCDS Chen, Long , CCDS Chiba, Haruhisa, CCDS Cho, William , CCDS Cisper, Neil J., CCDS Clark, Allison L., CCDS Clark, Jason D., CCDS Clark, Michael A., CCDS Clarke, Laura N., CCDS Clarke, Stephen, CCDS Clauson, Jodine M., CCDS Cline, Matthew J., CCDS Collins, Janet L., CCDS Cote, Stephanie, CCDS Coverdale, Luke , CCDS Cox, Casey D., CCDS Cox, Ryan T., CCDS Crisp, Janelle E., CCDS Cromer, Sharrie D., CCDS Daulton, Lisa, CCDS Daw, Holly L., CCDS

Dawkins, Clare, CCDS De Keyzer-van Muijlwijk, Klara , CCDS De Marie, Theo T.M., CCDS Deane, Eric M., CCDS Deckert, Emily, CCDS Dekker, Peter A., CCDS Demmer, Wade, CCDS Dewan, Nikhil, CCDS DiBenedetto, Michael, CCDS Dienno, John J., CCDS Doll, Nadezhda I., CCDS Dragovic, Aleksandar, CCDS Drew, Alicia R., CCDS Dreyfus, Emmanuel, CCDS Dufour, David G., CCDS Duke, Amy N., CCDS Dunn, Joshua I., CCDS Dyson, April M., CCDS Eber, Kate, CCDS Ebersole, Benjamin I., CCDS Edmondson, Brittany A., CCDS Endo, Keisuke, CCDS Endou, Toshiki, CCDS Engstrom, Nathan Robert, CCDS Eral, Joshua , CCDS Esumi, Yoshiaki, CCDS Farrell, Kaitlin, CCDS Farrelly, Christopher, CCDS Fenney, Lisa J., CCDS Fernandez, Andrea , CCDS Ferris, Joseph G., CCDS Finlay, Emma L., CCDS Flessner, John M., CCDS Florence, Zuben , CCDS Fogh, Pernille Jonasson , CCDS Foran, Annie Marie, CCDS Foutz, Susan, CCDS Fowler, Marina , CCDS Fruchte, Megan B., CCDS Fujio, Yoshifumi, CCDS Fukumasu, Toyohide, CCDS Fukumoto, Hirotaka, CCDS Fukushi, Kentaro, CCDS Futakuchi, Shota, CCDS Gabaldon, Erin A Tuttle, CCDS Gabrell, Andrew R., CCDS Galante, Thomas J., CCDS George, Andrew David, CCDS Geysman, Victoria, CCDS Giese, Travis D., CCDS Gleason, Scott Merlin, CCDS Glenn, Jason W., CCDS Goad, Dione R., CCDS Gonzales, Denise Renee, CCDS Gonzalez, Jocelyn, CCDS Gonzalez, Rosalia C., CCDS Goran, Nikolaus C., CCDS Goto, Chihiro, CCDS Goto, Mitsuru, CCDS Goudriaan-Vos, Maaike, CCDS Granrud, Marc O., CCDS Grauenkamp, Caspar V.J., CCDS Greco, Ryan A., CCDS Green, Erin Marie, CCDS Greer, Robert D., CCDS Griffin, Michelle , CCDS Gulbis, Andrew P., CCDS Hoejgaard, Susanne, CCDS Haggett, Nicki L., CCDS Hahn, Sonna , CCDS Hamamoto, Syuuji, CCDS

Hanashima, Hideki, CCDS

Hanzawa, Katsunori, CCDS Hara, Akira, CCDS Haro, Raquel , CCDS Harteman, Maria, CCDS Harter, Christopher S., CCDS Harvey, Lori, CCDS Hashimoto, Yuuki, CCDS Hatae, Masaharu, CCDS Hayasaki, Shingo, CCDS Hayashi, Chiharu, CCDS Henry, Gage, CCDS Henuber, Jennifer, CCDS Hewett, Ryan A., CCDS Hickman, Kelley A., CCDS Hilovsky, Andrew B., CCDS Hirano, Ryuji, CCDS Hirao, Noriyoshi, CCDS Ho, Ka Ki , CCDS Ho, Ming How Steven, CCDS Hofland, Wouter, CCDS Honma, Daisuke, CCDS Horita, Nozomu, CCDS Hsieh, Meng-Chun, CCDS Huckstepp, Craig S., CCDS Huinker, Sara A., CCDS Hwang, Elizabeth, CCDS Hypes, Jessica D., CCDS Ichikawa, Muneyuki, CCDS Ikeda, Yuto, CCDS Imanishi, Asami, CCDS Ingalls, James, CCDS Inglis, Jennifer, CCDS Ishida, Naoko, CCDS Ishizaki, Shin, CCDS Isogai, Isao, CCDS Isogai, Taichi, CCDS Ito, Kiichi, CCDS Jahagirdar, Nishat A., CCDS Jamochi, Masato, CCDS Janssen, Roel, CCDS Jenewein, Robert, CCDS Jennings, Daniel A., CCDS Jones, Matthew L., CCDS Jung, Ji Woon, CCDS Kadoyama, Nobufumi, CCDS Kamath, Gururaj Sitaram, CCDS Kammer, Tyler M., CCDS Kashima, Motohiro, CCDS Kato, Tatsunori, CCDS Kattunilathu, George Idiculla, CCDS Kawabata, Atsushi, CCDS Kawabata, Youta, CCDS Kawamura, Takayuki, CCDS Kawasaki, Takeshi, CCDS Keefer, Jennifer M., CCDS Keenan, Leanne V., CCDS Keene, Hilary Anne, CCDS Keppler, Mark, CCDS Keyes, Casey, CCDS Kiffmeyer, Dawn M., CCDS Kikuchi, Hiroyoshi, CCDS Killoren, Oliver, CCDS Kim, Hannah, CCDS Kim, Soon Hee, CCDS Kindler, Jason W., CCDS Kinnebrew, Katie L., CCDS Kitagawa, Yasuhiro, CCDS Kitano, Ryoji, CCDS Klotz, Karin , CCDS Knight, Kara M., CCDS Kodama, Yukio, CCDS Koga, Tomohisa, CCDS

Komuro, Youhei, CCDS Kose, Yuji, CCDS Krolick, Stephanie L., CCDS Kuester, Jordan M., CCDS Kumagai, Naoto, CCDS Kumar, Dinesh, CCDS Kumon, Toshiaki, CCDS Kuribayashi, Masahide, CCDS Kurth, Kaitlin C., CCDS Kuykendall, Brandy , CCDS Kwasnik, Agatha A., CCDS Lam, Ka Wah , CCDS Laughlin, Jeremy, CCDS Lawrence, Darren G., CCDS Lee, Lesley Elizabeth, CCDS Lee, Mei Teng, CCDS Legros, Caryn A., CCDS Leighton, Saskia M., CCDS Leszczynski, Peter J., CCDS Leveille, Nathanael C., CCDS Levy, Diane K., CCDS Linson, Sari M., CCDS Logan, Jacob M., CCDS Lowman, Robert , CCDS Lubbers, James M., CCDS Luczak, Timothy L., CCDS Lynk, Winston , CCDS MacMahon, Heather, CCDS Maekawa, Masaki, CCDS Maher, Daniel J.W., CCDS Mandal, Jayishnu, CCDS Martin, Damian T., CCDS Martinelli, Allison, CCDS Maruyama, Masashi, CCDS Maruyama, Yusuke, CCDS Masuko, Atsuro, CCDS Matsumoto, Atsuhiko, CCDS Matsushige, Koji, CCDS Mayotte, Mark J., CCDS McClure, Lindsay, CCDS McComb, Brenda J., CCDS McConnell, Andrew J., CCDS McFadden, Sara I., CCDS McGourty, Ruaidhri L., CCDS McNally, Suzanne, CCDS Mendeloff, Jared, CCDS Mendoza, Nicholas B., CCDS Merry, Lauren, CCDS Michael, Lucas A., CCDS Milam, Jamie J., CCDS Miller, John D., CCDS Minami, Asuka, CCDS Miura, Kazunori, CCDS Miyoshi, Shiro, CCDS Mizuno, Hiroaki, CCDS Mochizuki, Mika, CCDS Monaghan, Kate, CCDS Moody, Charles A., CCDS Moon, Jon C., CCDS Moore, Raymond E., CCDS Moore, Victor A., CCDS Morgan, Kamala R., CCDS Moxon, Tegan E., CCDS Moynihan, Angela L., CCDS Mumford, Jason A., CCDS Myers, Daniel, CCDS Myers, Leslie A., CCDS Mysliwiec, Elizabeth A., CCDS Nagahashi, Makoto, CCDS

Kojima, Hironobu, CCDS

(continue to next page)

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Nakajima, Hiroyuki, CCDS Nakamura, Yoshimitsu, CCDS Nakamura, Youichi, CCDS Nambu, Kosuke, CCDS Nemoto, Tsuyoshi, CCDS Nguyen, Bryan, CCDS Nichols, Laura B., CCDS Nicholson, Keith P., CCDS Nishida, Mamoru, CCDS Nishimura, Yusuke, CCDS Nogacek, Danielle M., CCDS Noguchi, Masayuki, CCDS Norman, Miriam L., CCDS O Hora, Teresa , CCDS Ober, Ray L., CCDS Ockerlund, Richard Scott, CCDS Oda, Tomoaki, CCDS Ohara, Toshinobu, CCDS Ohashi, Tomohiro, CCDS Oka, Kyohei, CCDS Oki, Junichi, CCDS Okuno, Kenichi, CCDS Oney, Andrew, CCDS Onodera, Yuki, CCDS Ooide, Akira, CCDS Oosterweghel, Jeannette, CCDS Otsuki, Yoshiko, CCDS Overeem, Johannes Cornelis, CCDS Ozeki, Yoshiaki, CCDS Paffel, Timothy W., CCDS Pamula, Colleen M., CCDS Parent, LaMar J., CCDS Pattanaik, Malisha A., CCDS Payne, Nicholas Eric, CCDS Peebles, Andrew G., CCDS Pereira, Helder, CCDS Perez, Liza M., CCDS Phillips, Noel C., CCDS Phillips, Robert M., CCDS Plexico, Glendon J., CCDS Pompei, Charlotte J., CCDS Pond, Gayle, CCDS Pornnimitthum, Napawan, CCDS Pott, Roland A., CCDS Price, Zachary A., CCDS Prillinger, Julie, CCDS Pudlowski, Scott Timothy, CCDS Rainer, Jason , CCDS Rains, Sandy L., CCDS Raju-Mishra, Nita, CCDS Rana, Ankush, CCDS Ranjan, Rajiv, CCDS Reade, Juliane, CCDS Reader, Adam B., CCDS Reinsma, Jennifer, CCDS Reynolds, Jacob , CCDS Riepshoff, Rebecca S., CCDS Rijsewijk, Markus Van, CCDS Riphagen, Marieke, CCDS Robb, Daniel D., CCDS Robertson, Michael C., CCDS Robichaux, Jennifer, CCDS Rothenberger, Russ, CCDS Rouimi, Daniel, CCDS Rouschop-Hazen, Marleen, CCDS Rowe, Martin William, CCDS

Rutten, Aaron J., CCDS Saeki, Jun, CCDS Saito, Atunori, CCDS Sakami, Tomokazu, CCDS Sakurada, Takeharu, CCDS Sakurai, Ryo, CCDS Salah, Mohammad Y., CCDS Sampath Kumar, Angeline, CCDS Sanchez, Armando, CCDS Sanders, Richard L., CCDS Sanders, Roy, CCDS Sankel, John A., CCDS Sano, Takahisa, CCDS Sapp, Claud N., CCDS Sasaki, Yusuke, CCDS Sassin, Cathy, CCDS Savage, Kathryn A., CCDS Sawada, Keisuke, CCDS Scanlon, Phillip, CCDS Scharer, Claudia B., CCDS Schippers, Philippus J., CCDS Schnell, Scott M., CCDS Schram, Marieke, CCDS Schwake, Jaan M., CCDS Screech, Andrew Stephen, CCDS Seibolt, John, CCDS Sellke, Joshua, CCDS Seto, Hiroki, CCDS Setoyama, Akihiro, CCDS Shah, Atman, CCDS Shanbhag, Preeti, CCDS Shane, Douglas L., CCDS Shepherd, Ashley M., CCDS Shimada, Kazunori, CCDS Shiratori, Norifumi, CCDS Sillar, Louise, CCDS Sills, Timmy D., CCDS Sims, Natalie M., CCDS Sitin, Teo , CCDS Skoglund, Jamie, CCDS Slijkerman, Myrna, CCDS Sljivic, Dejan, CCDS Smith, Jeffrey S., CCDS Smith, Michael J., CCDS Snyder, Heather Marie, CCDS Song, Lina, CCDS St. George, Erin E., CCDS Starodubtsev, Evgeny A., CCDS Stent, Sabrina N., CCDS Stevens, Brady J., CCDS Stone, Rosie , CCDS Story, Stephen F., CCDS Stotts, Shanna Y., CCDS Struthers, Kyle R., CCDS Stuckey, William S., CCDS Sugawara, Yuri, CCDS Sun, Hua, CCDS Suzuki, Jun, CCDS Swamikannu, Vasanthi, CCDS Sweet, Justin, CCDS Tai, Nobuaki, CCDS Takahashi, Aki, CCDS Takahashi, Daisuke, CCDS Takahashi, Isao, CCDS Takahashi. Mie. CCDS Takeda, Teruaki, CCDS

Takegami, Hiroshi, CCDS Takeuchi, Akihiko, CCDS Talamantes, Claudia P., CCDS Tamura, Masanori, CCDS Tanaka, Hiroshi, CCDS Tanaka, Hiroyuki, CCDS Tanaka, Nobuyuki, CCDS Tanaka, Takeshi, CCDS Tashiro, Yuki, CCDS Tateyama, Kenta, CCDS Taylor, Colleen M., CCDS Te Walvaart, Wilfried, CCDS Teh, Mee Hian, CCDS Thakur, Chandermohan, CCDS Theintz, Jacqueline I., CCDS Thomas, Jessica M., CCDS Tichenor, Robert, CCDS Tierney, Peter J., CCDS Timbers, Brian, CCDS Tjossem, Eric P., CCDS Tokunaga, Shinichirou, CCDS Tomioka, Fumi, CCDS Tomitaka, Nobuyuki, CCDS Townsend, Simon M., CCDS Toyoda, Manami, CCDS Tsurumi, Joji, CCDS Tumminia, Damian, CCDS Ugarte, Zachary, CCDS Uno, Yasuhiro, CCDS Utsumi, Minoru, CCDS Van Alst, Petrus F., CCDS Van Der Linden, Johannes, CCDS Van Der Luijt, Gerben, CCDS Van Vliet, Arnoldus M., CCDS Venancio Galvao, Julia M., CCDS Vidovic, Ela, CCDS Wada, Kana, CCDS Wakaki, Takayoshi, CCDS Wallace, Cooper S., CCDS Walsh, Leah T., CCDS Wang, Lan, CCDS Ward, Richard, CCDS Warner, Christopher, CCDS Watanabe, Masahito, CCDS Webber, Brooke, CCDS White, Jenny L., CCDS White, Logan, CCDS Wiest, Mason Parker, CCDS Wilcox, Alison A., CCDS Wilmot, Joshua M., CCDS Wilson, Darren J., CCDS Witte, Joseph M., CCDS Wolting, Roelof J., CCDS Woodburn, Kyli S., CCDS Woodrome, Julie E., CCDS Wooten, Brenda M., CCDS Wright, Nicole A., CCDS Wrobel, Jessica L., CCDS Xiangli, Na, CCDS Yamabe, Tetuya, CCDS Yamaguchi, Seiichiro, CCDS Yamashita, Akihiro, CCDS Yamashita, Kunitomo, CCDS Yamazaki, Masashi, CCDS Yanai, Junii, CCDS Yim, Hay Ran, CCDS

Yokokawa, Mika, CCDS Yokose, Ryu, CCDS Yokota, Jun, CCDS Yook, Bo-Mi, CCDS Yoriki, Ryoji, CCDS Young, Michele K., CCDS Zeng, Zhiyu, CCDS

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