PROCEEDINGS OF SPIE

SPIDigitalLibrary.org/conference-proceedings-of-spie

Front Matter: Volume 11513

, "Front Matter: Volume 11513," Proc. SPIE 11513, 15th International Workshop on Breast Imaging (IWBI2020), 1151301 (22 May 2020); doi: 10.1117/12.2573086

SPIE.

Event: Fifteenth International Workshop on Breast Imaging, 2020, Leuven, Belgium

PROCEEDINGS OF SPIE

15th International Workshop on Breast Imaging (IWBI2020)

Hilde Bosmans
Nicholas Marshall
Chantal Van Ongeval
Editors

25–27 May 2020
Leuven, Belgium

Published by
SPIE

Volume 11513

Proceedings of SPIE 0277-786X, V. 11513

SPIE is an international society advancing an interdisciplinary approach to the science and application of light.

15th International Workshop on Breast Imaging (IWBI2020), edited by Hilde Bosmans,
Nicholas Marshall, Chantal Van Ongeval, Proc. of SPIE Vol. 11513, 1151301
© 2020 SPIE · CCC code: 0277-786X/20/\$21 · doi: 10.1117/12.2573086

Proc. of SPIE Vol. 11513 1151301-1

The papers in this volume were part of the technical conference cited on the cover and title page. Papers were selected and subject to review by the editors and conference program committee. Some conference presentations may not be available for publication. Additional papers and presentation recordings may be available online in the SPIE Digital Library at SPIDigitalLibrary.org.

The papers reflect the work and thoughts of the authors and are published herein as submitted. The publisher is not responsible for the validity of the information or for any outcomes resulting from reliance thereon.

Please use the following format to cite material from these proceedings:

Author(s), "Title of Paper," in *15th International Workshop on Breast Imaging (IWBI2020)*, edited by Hilde Bosmans, Nicholas Marshall, Chantal Van Ongeval, Proceedings of SPIE Vol. 11513 (SPIE, Bellingham, WA, 2020) Seven-digit Article CID Number.

ISSN: 0277-786X

ISSN: 1996-756X (electronic)

ISBN: 9781510638310

ISBN: 9781510638327 (electronic)

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA

Telephone +1 360 676 3290 (Pacific Time)- Fax +1 360 647 1445

SPIE.org

Copyright © 2020, Society of Photo-Optical Instrumentation Engineers.

Copying of material in this book for internal or personal use, or for the internal or personal use of specific clients, beyond the fair use provisions granted by the U.S. Copyright Law is authorized by SPIE subject to payment of copying fees. The Transactional Reporting Service base fee for this volume is \$21.00 per article (or portion thereof), which should be paid directly to the Copyright Clearance Center (CCC), 222 Rosewood Drive, Danvers, MA 01923. Payment may also be made electronically through CCC Online at copyright.com. Other copying for republication, resale, advertising or promotion, or any form of systematic or multiple reproduction of any material in this book is prohibited except with permission in writing from the publisher. The CCC fee code is 0277-786X/20/\$21.00.

Printed in the United States of America by Curran Associates, Inc., under license from SPIE.

Publication of record for individual papers is online in the SPIE Digital Library.

**SPIE. DIGITAL
LIBRARY**

SPIDigitalLibrary.org

Paper Numbering: *Proceedings of SPIE* follow an e-First publication model. A unique citation identifier (CID) number is assigned to each article at the time of publication. Utilization of CIDs allows articles to be fully citable as soon as they are published online, and connects the same identifier to all online and print versions of the publication. SPIE uses a seven-digit CID article numbering system structured as follows:

- The first five digits correspond to the SPIE volume number.
- The last two digits indicate publication order within the volume using a Base 36 numbering system employing both numerals and letters. These two-number sets start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B ... 0Z, followed by 10-1Z, 20-2Z, etc. The CID Number appears on each page of the manuscript.

Contents

xi *Authors*

SESSION 1: NEW (ANTROPOMORPHIC) PHANTOMS FOR BREAST IMAGING

- 11513 02 **Full-size anthropomorphic phantom for 2D and 3D breast x-ray imaging** [11513-17]
- 11513 03 **Application of a model observer for detection of lesions in synthetic mammograms** [11513-87]
- 11513 04 **Realistic compressed breast phantoms for medical physics applications** [11513-73]
- 11513 05 **Assessment of task-based performance from five clinical DBT systems using an anthropomorphic breast phantom** [11513-98]

SESSION 2: MODELLING/SIMULATION OF X-RAY TECHNOLOGY

- 11513 06 **Evaluation of elastic parameters for breast compression using a MRI-mammography registration approach** [11513-63]
- 11513 07 **Compressed breast shape characterization and modelling during digital breast tomosynthesis using 3D stereoscopic surface cameras** [11513-38]
- 11513 08 **Uncertainties associated to the extraction of texture features in single-energy contrast-enhanced mammography** [11513-45]
- 11513 09 **Calculation of radiomic features to validate the textural realism of physical anthropomorphic phantoms for digital mammography** [11513-101]
- 11513 0A **Three-dimensional modeling of microcalcification clusters using breast tomosynthesis: a preliminary study** [11513-30]
- 11513 0B **Quality analysis of DCGAN-generated mammography lesions** [11513-19]

SESSION 3: BREAST CANCER SCREENING

- 11513 0C **Personalised breast cancer screening with selective addition of digital breast tomosynthesis through artificial intelligence** [11513-88]
- 11513 0D **Going from double to single reading for screening exams labeled as likely normal by AI: what is the impact?** [11513-66]

- 11513 OE **Characteristics of frequently recalled false positive cases in screening mammography**
[11513-16]
- 11513 OF **Diagnostic impacts of DBT and ABVS for breast cancer screening in comparison with MMG and HUS** [11513-15]

SESSION 4: IMAGE QUALITY AND DOSE

- 11513 OG **Monte Carlo dose evaluation of different fibroglandular tissue distribution in breast imaging**
[11513-76]
- 11513 OH **First approach to estimate breast radiation dose in a DBT prone biopsy table** [11513-85]
- 11513 OI **Mammographic image quality assessment by a contrast-to-noise ratio for clinical images**
[11513-96]
- 11513 OJ **Effect of scatter correction on image noise in contrast-enhanced digital breast tomosynthesis**
[11513-25]
- 11513 OK **Effect of denoising on the localization of microcalcification clusters in digital mammography**
[11513-84]
- 11513 OL **Expert radiologist performance does not appear to impact upon their capability in perceiving the gist of the abnormal on mammograms** [11513-74]

SESSION 5: AI IN BREAST IMAGING I

- 11513 OM **Three compartment breast machine learning model for improving computer-aided detection**
[11513-14]
- 11513 ON **Transfer learning in deep convolutional neural networks for detection of architectural distortion in digital mammography** [11513-91]
- 11513 OO **Can AI serve as an independent second reader of mammograms? a simulation study**
[11513-57]
- 11513 OP **AI-based prediction of lesion occurrence in high-risk women based on anomalies detected in follow-up examinations** [11513-83]
- 11513 OQ **Scatter correction with deep learning approach for contrast enhanced digital breast tomosynthesis (CEDBT) in both cranio-caudal (CC) view and mediolateral oblique (MLO) view**
[11513-99]
- 11513 OR **Machine learning classifier of medical specimen images** [11513-105]

SESSION 6: NEW TECHNOLOGIES IN BREAST IMAGING

11513 OS	Lesion visibility in phase-contrast breast CT: comparison with histological images [11513-68]
11513 OT	Comparison of propagation-based phase-contrast CT and absorption-based CT for breast imaging using synchrotron radiation [11513-48]
11513 OU	Evaluation of a flat fielding method for simultaneous DBT and MI acquisition [11513-102]
11513 OV	Super-resolution in digital breast tomosynthesis: limitations of the conventional system design and strategies for optimization [11513-39]
11513 OW	Diagnostic performance of integrated digital breast tomosynthesis (DBT) and molecular breast tomosynthesis (MBT) among women scheduled for breast biopsy [11513-28]
11513 OX	Breast cancer detection/diagnosis with upstream data fusion and machine learning [11513-64]

SESSION 7: NEW CLINICAL APPLICATIONS AND FINDINGS IN BREAST IMAGING

11513 OY	Suspicious minds: effect of using a lesion likelihood score on reader behaviour with interactive mammographic CAD [11513-10]
11513 OZ	Breast cancer risk prediction in Chinese women based on mammographic texture and a comprehensive set of epidemiologic factors [11513-75]
11513 10	Prevalence, progression and implications of breast artery calcification in patients with chronic kidney disease across stages of disease [11513-80]
11513 11	Axillary lymph node metastasis status prediction in ultrasound image using convolution neural network [11513-11]

SESSION 8: VIRTUAL CLINICAL TRIALS

11513 12	Validation of a software platform for 2D and 3D phase contrast imaging: preliminary subjective evaluation [11513-97]
11513 13	MRMC ROC analysis of calcification detection in tomosynthesis using computed super resolution and virtual clinical trials [11513-58]
11513 14	Evaluation of the visual realism of breast texture phantoms in digital mammography [11513-59]
11513 15	Advanced Monte Carlo application for in-silico clinical trials in x-ray breast imaging [11513-29]
11513 16	Identifying and modelling clinical subpopulations from the Malmö breast tomosynthesis screening trial [11513-54]

- 11513 17 **Simulation of high-resolution test objects using non-isocentric acquisition geometries in next-generation digital tomosynthesis** [11513-23]
- 11513 18 **High sensitivity dedicated dual-breast PET/MR imaging: concept and preliminary simulations** [11513-36]

SESSION 9: AI IN BREAST IMAGING II

- 11513 19 **An AI-based method to retrieve hematoxylin and eosin breast histology images using mammograms** [11513-81]
- 11513 1A **Robust multi-vendor breast region segmentation using deep learning** [11513-56]
- 11513 1B **Domain adapted breast tissue segmentation in magnetic resonance imaging** [11513-61]
- 11513 1C **Deep learning to calculate breast density from processed mammography images** [11513-24]
- 11513 1D **Automatic density prediction in low dose mammography** [11513-107]
- 11513 1E **Convolutional-neural-network based breast thickness correction in digital breast tomosynthesis** [11513-22]

SESSION 10: QUALITY CONTROL IN BREAST IMAGING

- 11513 1F **Channelized hotelling observer for multi-vendor breast tomosynthesis image quality estimation: detection of calcification clusters in an anthropomorphic phantom** [11513-103]
- 11513 1G **Historical trends in image quality and mean glandular dose in digital mammography** [11513-2]
- 11513 1H **The small-size details detection performance of digital breast tomosynthesis, synthetic 2D, and conventional full-field digital mammography images for different mammography systems: a multicenter study** [11513-77]
- 11513 1I **The relationship between age of digital mammography systems and number of reported faults and downtime** [11513-18]
- 11513 1J **Overall performance, image quality, and dose, in computed radiology (CR) mammography systems operating in the Mexican public sector** [11513-9]
- 11513 1K **Validation of a statistical method for low contrast detectability as a simple tool for QC in digital mammography** [11513-42]

POSTER SESSION 1: ANTHROPOMORPHIC BREAST PHANTOMS

- 11513 1L **Concept to extend anthropomorphic breast phantoms for 2D digital mammography with movable lesions at variable reproducible positions** [11513-20]
- 11513 1M **Experimental dose estimation in anthropomorphic breast phantom in clinical mammography systems** [11513-27]
- 11513 1N **Linear attenuation coefficients from breast-equivalent materials (CIRS and PMMA) using CdTe detector applying MCNPx simulations spectra correction** [11513-44]
- 11513 1O **Determination of total mass attenuation coefficients and half-value layer, for low energies, of five fotopolymers designed for high-quality 3D printing for the manufacture of an anthropomorphic breast phantom specific for the tomosynthesis technique** [11513-93]

POSTER SESSION 2: NEW TECHNOLOGY IN BREAST IMAGING: HARDWARE

- 11513 1P **Getting a-breast of immobilisation needs for the implementation of phase contrast tomography** [11513-32]
- 11513 1Q **Initial results from a high-energy x-ray inline phase sensitive breast tomosynthesis (PBT) prototype system** [11513-37]
- 11513 1R **Biplanar breast PET: preliminary evaluation** [11513-89]
- 11513 1S **Improving mammogram visualization by dimming text annotations** [11513-33]
- 11513 1T **Effectiveness of high-luminance display monitors in digital mammography** [11513-7]

POSTER SESSION 3: MACHINE LEARNING AND OTHER IMAGE ANALYSIS TOOLS

- 11513 1U **Proposal for an incremental learning method for CNN-based breast cancer tumor detection CAD development** [11513-3]
- 11513 1V **Deep learning-based segmentation of mammary gland region in digital mammograms of scattered mammary glands and fatty breasts** [11513-26]
- 11513 1W **Estimating the compressed breast-shape using deep learning** [11513-35]
- 11513 1X **Three-dimensional visualization of cribriform pattern in ductal carcinoma in situ with x-ray dark field computed tomography** [11513-40]
- 11513 1Y **Computerized determination scheme for histological classification of masses on breast ultrasonographic images using combination of CNN features and morphologic features** [11513-49]

- 11513 1Z **Computerized classification scheme for distinguishing between benign and malignant masses by analyzing multiple MRI sequences with convolutional neural network** [11513-50]
- 11513 20 **Artificial intelligence together with mechanical imaging in mammography** [11513-55]
- 11513 21 **Breast screening and artificial intelligence: an independent evaluation of two different software carried out at Valenciennes hospital** [11513-60]
- 11513 22 **Automatic breast segmentation in digital mammography using a convolutional neural network** [11513-70]
- 11513 23 **Mammographic mass identification in dense breasts using multi-scale analysis of structured micro-patterns** [11513-72]
- 11513 24 **The effect of breast density on the performance of deep learning-based breast cancer detection methods for mammography** [11513-86]
- 11513 25 **Histogram-based approach for mass segmentation in mammograms** [11513-34]
- 11513 26 **Breast mass image retrieval based on multimodality similarity estimation** [11513-46]
- 11513 27 **Calculation of transfer functions for volume rendering of breast tomosynthesis imaging** [11513-12]

POSTER SESSION 4: CLINICAL ASPECTS OF BREAST IMAGING

- 11513 28 **Preliminary evaluation of inter- and intra-operator variability of quantitative ultrasound biomarkers for breast cancer characterization** [11513-65]
- 11513 29 **Impact of digital breast tomosynthesis on readers with different experience** [11513-78]
- 11513 2A **Improved visualization of spiculated masses with digital breast tomosynthesis: how does size measurement correlate with pathology** [11513-79]
- 11513 2B **Evaluation of breast compression using pressure distribution over a breast phantom and x-ray images in mammography** [11513-92]
- 11513 2C **Association between breast density, lesions characteristic and diagnosis error in mammography** [11513-82]
- 11513 2D **Relationship between compression force, pressure, and breast volume in breast tomosynthesis in Brazil** [11513-100]

POSTER SESSION 5: QUALITY CONTROL AND PATIENT DOSIMETRY IN BREAST IMAGING

- 11513 2E **HVL mammography and tomosynthesis measurements with TLD system and different solid-state dosimeters** [11513-43]

- 11513 2F **Examination of quality control guidelines for digital breast tomosynthesis systems in Japan**
[11513-47]
- 11513 2G **Experimental evaluation of the MGD for digital mammography and tomosynthesis estimated**
from patient exposures and using PMMA breast phantoms in Brazil [11513-62]
- 11513 2H **Comparison of breast doses for tomosynthesis estimated from patient exposures of four**
different DBT units models commercial in Brazil [11513-71]
- 11513 2I **Methodology for undertaking quality control testing of ghosting in digital breast tomosynthesis**
systems [11513-94]
- 11513 2J **Task-based artifact spread function estimation in digital breast tomosynthesis using a**
structured phantom [11513-104]
- 11513 2K **15 years of remotely controlled daily quality control in digital mammography** [11513-106]
- 11513 2L **Dependence of the region of interest (ROI) on the evaluation of geometric distortion and ghost**
artifact-distortion in digital breast tomosynthesis [11513-95]

Authors

Numbers in the index correspond to the last two digits of the seven-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first five digits reflect the volume number. Base 36 numbering is employed for the last two digits and indicates the order of articles within the volume. Numbers start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B...0Z, followed by 10-1Z, 20-2Z, etc.

Abe, Kazuya, 1U
AbuTaimai, Rula, 29
Acciavatti, Raymond J., 09, 0V, 13, 17
Aguilar-Cortazar, L., 28
Akiyama, Shinobu, 2F
Alakhras, Maram, 29
Alam, Nashid, 0A
Alamo, J., 1R
Al-Khodair, Hanan, 2A
Almeida, C. D., 2G
Almeida, Pedro, 27
Almousa, Dana, 29
Alyafi, Basel, 0B
Andersson, Ingvar, 0O
Ando, M., 1X
Angelini, L., 1H
Arana Pena, Lucia Mariel, 0G, 1P
Arfelli, F., 0S
Arhatari, Benedicta D., 0T, 1P
Asai, Yoshiyuki, 1T, 1V
Astley, Susan M., 0Y, 1D
Attie, M. R. P., 2D, 2G, 2H, 2L
Avanaki, Ali R. N., 1S
Bajger, Mariusz, 23
Bakic, Predrag R., 09, 0A, 0U, 13, 16, 20
Baldelli, Paola, 2I
Balta, Christiana, 0D
Baran, Patrycja M., 0T
Barufaldi, Bruno, 09, 0V, 13, 16, 17
Bejnö, Anna, 20
Benlloch, J. M., 1R
Bernathova, Maria, 0P
Bertolini, M., 1H
Binst, Joke, 2K
Bliznakov, Z., 12
Bliznakova, K., 12, 15
Bock, Karin, 1L
Bonazza, D., 0S
Boone, J. M., 15
Borges, Lucas R., 0K, 0N
Bosmans, Hilde, 03, 14, 1F, 2A, 2J, 2K
Brandan, Maria-Ester, 08, 1J
Brennan, Patrick C., 0L, 0T, 0Z, 1P, 29
Broeders, Mireille, 0O
Brombal, L., 0S
Burger, Bianca, 0P
Caballo, M., 04
Cansino, Naxi, 1J
Cardarelli, P., 15
Caron, Renato F., 0K
Carton, Ann-Katherine, 02, 14
Carvalho, R., 2L
Castañeda-Martinez, L., 28
Castillo-Lopez, J. P., 08, 28
Cesário, G. J., 2L
Chan, Heang-Ping, 05
Chang, Ruey-Feng, 11
Chen, Jinbo, 09
Chen, Ziliang, 0L
Cheng, J., 1R
Chevalier, Margarita, 0H, 0O, 1J, 2D, 2G, 2H, 2L
Chiba, Yoko, 2F
Cho, Seungryong, 1E
Clarkson, Matthew J., 27
Clauser, Paola, 0O
Cockmartin, Lesley, 03, 14, 2A
Cohen, Eric A., 09
Conant, Emily F., 09, 22
Contillo, A., 0S
Correia, R., 2H
Costa, Arthur C., 0N
Cova, M. A., 0S
Cruz Hernández, Juan-Carlos, 1J
Cuallado, J., 1R
Curpen, Belinda, 1B
Dahlblom, Victor, 0C, 24
Dance, David R., 0G, 1C
de Azevedo-Marques, Paulo M., 0K
Della Gala, G., 1H
Delogu, P., 0S
del Riego, Javier, 0B
Denton, Erika, 19
Dercksen, Koen, 1A
de Vusser, Katrien, 10
Dewilde, Sven, 2K
Di, Genhong, 0Z
Diaz, Oliver, 04, 06, 0B, 0G, 0H
Diez, Y., 06
di Franco, F., 15
Dimmock, Matthew, 0T
Di Trapani, V., 0S
Dolinsky, Segei, 18
Donato, S., 0S
Drukker, Karen, 0M
Duan, Xiaoyu, 0J, 0Q
Du-Crow, Ethan, 0Y
Dustler, Magnus, 0C, 0U, 16, 20, 24
Edouard, Poncelet, 21

Egging, Ruby, 07
 Ekpo, Ernest U., 0L
 Elangovan, Premkumar, 0B
 Engler, C., 2D, 2G, 2H
 Espig, Kathryn S., 1S
 Evans, D. Gareth, 1D
 Evenepoel, Pieter, 10
 Fabbri, C., 1H
 Fabbri, S., 1H
 Fajardo, Laurie L., 1Q
 Fantacchi, M. E., 15
 Farnedi, S., 1H
 Fedon, C., 04, 0G
 Fiebich, Martin, 1L
 Fox, Jane, 0T
 Fujita, Hiroshi, 23, 26
 Galván-Espinoza, H., 28
 Gandomkar, Ziba, 0E, 0L, 0Z
 García, E., 04, 06, 0G
 Gastounioti, Aimilia, 09, 22
 Gennaro, Gisella, 0O
 Ghamraoui, Bahaa, 05
 Ghani, Muhammad U., 1Q
 Giger, Maryellen, 0M
 Given-Wilson, Ros, 1C
 Glick, Stephen J., 05
 Golinelli, P., 1H
 Golosio, B., 0S
 Gomes, D. S., 1M, 2G, 2H
 Gomes, Sandra, 1C
 Gómez-Zepeda, Mario, 1J
 Gong, Zongyi, 0W
 Goodsitt, Mitchell, 05
 Graff, Christian G., 05
 Greenwood, Heather, 0M
 Gu, Yajia, 0Z
 Gubern-Merida, Albert, 0O
 Guerra, G., 1H
 Gureyev, Timur E., 0T, 1P
 Haji Maghsoudi, Omid, 09, 22
 Hall, Christopher, 0T, 1P
 Halling-Brown, Mark D., 1C, 1I
 Hamidinekoo, Azam, 19
 Harkness, Elaine F., 1D
 Harris, Peter, 1C
 Harvey, Jennifer A., 0W
 Harvey, Susan C., 0X
 Hashimoto, Naomi, 1T, 1V
 Hausermann, Daniel, 0T, 1P
 Helbich, Thomas, 0O, 0P
 Hellgren, Gustav, 20
 Hernandez, A. H., 15
 Heywang-Köbrunner, Sylvia H., 0D
 Highnam, Ralph P., 0I
 Hill, Melissa L., 0I
 Hirofujii, Yoshiaki, 2F
 Hizukuri, Akiyoshi, 1Y, 1Z
 Honnor, Kate, 19
 Howell, Sacha, 1D
 Hsieh, Meng-Kang, 09
 Huang, Hailiang, 05, 0J, 0Q
 Huang, Kayla Xiao-Dong, 0E
 Huang, Z., 1X
 Hulleman, Johan, 0Y
 Hwang, S., 2G
 Ichihara, S., 1X
 Ikejimba, Lynda C., 05
 Ilisie, V., 1R
 Ionescu, Georgia, 1D
 Ishii, Kazunari, 1T, 1V
 Ito, Takahiro, 2F
 Iwakoshi, A., 1X
 Jacobs, Annelies, 2K
 Jacobs, Jurgen, 2K
 Jeong, Uijin, 1E
 Jiang, Jianyong, 18
 Jiménez-Serrano, S., 1R
 Joe, Bonnie, 0M
 Juria, Isabella, 1P
 Kallenberg, Michiel, 1A
 Karssemeijer, Nico, 06, 0D
 Kawasaki, Tomonori, 26
 Kerlikowske, Karla, 0M
 Keupers, Machteld, 2A
 Khan, Nabeel, 0I
 Khan, Riyad, 1G, 2I
 Kikuchi, Mari, 0F
 Kim, Hyeongseok, 1E
 Kim, Seung-Jun, 0X
 Kimpe, Tom R. L., 1S
 Klanian, Kelly L., 0W
 Klausz, Remy, 02
 Konishi, Tatsuo, 1V
 Kontos, Despina, 09, 22
 Kroes, Jaap, 1A
 Kuling, Grey, 1B
 Kumar, Beena, 0T
 Kunieda, Shinya, 1Y
 Kusumoto, Masahiko, 0F
 Lancaster, Luke, 0W
 Lång, Kristina, 0O
 Langs, Georg, 0P
 Lau, Kristen C., 0U
 Laurent, Nicolas, 21
 Le Vourch, Adrien, 21
 Lee, Gobert, 23
 Lee, Hoyeon, 1E
 Lee, Seoyoung, 1E
 Lee, Yan-Wei, 11
 Lee, Yougbum, 1T, 1V
 Lemmens, Kim, 2K
 Leong, Lambert, 0M
 Lewis, Sarah J., 0E, 0L, 0T, 0Z, 1P
 Leyton, F., 2G, 2H
 Li, Tong, 0L, 0Z
 Li, Yuhua, 1Q
 Li, Zhijin, 02
 Liu, G., 1R
 Liu, Hong, 1Q
 Lo, Joseph Y., 05

Lockie, Darren, 0T
 Longo, Renata, 0G, 0S, 1P
 López-Pineda, Eduardo, 1J
 Mackenzie, Alistair, 0I, 1D, 1G, 1I, 2I
 Mäder, Ulf, 1L
 Maidment, Andrew D. A., 09, 0U, 0V, 13, 16, 17
 Maidment, Tristan D., 0R
 Mainprize, James G., 02
 Majewski, Stanislaw, 18
 Maksimenko, Anton, 0T
 Mann, R. M., 0O
 Marinov, Stoyko, 14
 Markov, Serghei, 0M
 Marshall, Nicholas W., 03, 14, 1F, 2I, 2J, 2K
 Martel, Anne L., 1B
 Martí, J., 06
 Martí, Robert, 04, 06, 0B
 Maslan, Farah Atiqah, 2C
 Matela, Nuno, 27
 Matsuda, Naohisa, 0F
 Mawdsley, Gordon E., 02
 Maxwell, Anthony, 1D
 Mayo, Sheridan C., 0T
 Mello-Thoms, Claudia, 0E, 0Z
 Mendes, B. M., 1N
 Menezes, C., 2G
 Mertelmeier, Thomas, 0O
 Mettievier, G., 0S, 12, 15
 Michielsen, Koen, 07, 1W
 Mieskes, Christoph, 0D
 Miller, Matthew M., 0W
 Mima, Yuichi, 1Z
 Minemura, Tomomi, 2B
 Mohd Norsuddin, Norhashimah, 2C
 Moliner, L., 1R
 Montoya-del-Angel, R., 08
 Morais, I. S., 2E, 2H
 Moreno Astudillo, Liliana, 08
 Moreno-Ramirez, Adriana, 1J
 Morera, C., 1R
 Morishita, Fuyuka, 2B
 Mota, Ana M., 27
 Mullen, Lisa A., 0X
 Muller, Serge, 02, 14
 Muramatsu, Chisako, 23, 26
 Nagai, Yuuichi, 1U
 Nakayama, Ryohei, 1Y, 1Z
 Nawano, Shigeru, 1U
 Negishi, Tohru, 2F
 Nesterets, Yakov I., 0T
 Ng, Susan, 0R
 Nguyen, Jonathan V., 0W
 Nguyen, Tina, 0E
 Niell, Bethany, 0M
 Nishide, Hiroko, 2B
 Nishimura, R., 1X
 Noël, Peter B., 0V, 13
 Nogueira, M. S., 1M, 1N, 1O, 2D, 2E, 2G, 2H, 2L
 Norsuddin, Norhashimah Mohd, 0E
 Oberhofer, Nadia, 1K
 Oiwa, Mikinao, 26
 Okada, Satoko, 2F
 Oliva, P., 0S
 Oliveira, Helder C. R., 0N
 Oliveira, P. M. C., 1N, 2E
 Oliver, A., 06
 Omoumi, Farid H., 1Q
 Ortenzia, O., 1H
 Orvalho, Lurdes, 27
 O'Sullivan, Joseph A., 18
 Ozaki, Yoshiaki, 1T, 1V
 Pagan, L., 1H
 Paixão, Lucas, 0H, 2L
 Pantalone, Lauren, 09, 22
 Paruccini, Nicoletta, 1K
 Patel, Tushita, 0W
 Paternò, G., 15
 Pavlov, Konstantin M., 0T
 Peele, Andrew, 0T
 Peixoto, J. E., 2G
 Peppard, Heather R., 0W
 Pérez-Badillo, P., 28
 Petroni, Gina R., 0W
 Petrov, Dimitar, 03, 1F, 2J
 Peyton, Keith S., 0X
 Pinto, Marta, 07
 Polemi, Andrew M., 0W
 Porras, F., 28
 Porter, David W., 0X
 Pottel, Hans, 10
 Prevos, Renate, 2A
 Prodanovic, Zdenka, 0T
 Quiney, Harry M., 0T
 Ravaglia, V., 1H
 Register, Alan Z., 18
 Rehm, Patrice K., 0W
 Rickard, Mary, 29
 Rigon, L., 0S
 Rochman, Carrie M., 0W
 Rodríguez-Álvarez, M. J., 1R
 Rodríguez-López, Jaime A., 1J
 Rodríguez-Ruiz, Alejandro, 07, 0D, 0O, 1W, 20
 Rosado-Mendez, I. M., 28
 Ruiz-Trejo, César, 1J
 Russo, P., 12, 15
 Sahu, Pranjali, 0J, 0Q
 Sajeev, Shelda, 23
 Sakaguchi, Kenta, 1V
 Salad, Jesse, 05
 Samanta, Suranjana, 18
 Sanchez De la Rosa, Rubèn, 14
 Sanchez-Goytia, Vyanka, 08
 Santana, P. C., 2E
 Sarno, A., 15
 Savini, A., 1H
 Schopphoven, Stephan, 1L
 Scrittori, N., 1H
 Sechopoulos, I., 04, 07, 0G, 0O, 1W
 Shao, Zhimin, 0Z
 Shepherd, John, 0M

Shih, Chung-Chih, 11
 Shimao, D., 1X
 Shinohara, Norimitsu, 2F
 Silva, C. R. E., 1O
 Silva, L. A., 1O
 Silva, T. A., 2G
 Silveira, R., 2G
 Singer, Christian F., 0P
 Souza, Divanizia N., 1M, 2G, 2H, 2L
 Souza, L. F., 1M, 1N, 2E, 2G, 2H
 Squair, P. L., 1M, 1N, 2E, 2G, 2H
 Squires, Steven, 1D
 Stuffins, Martha, 1I
 Suhail, Zobia, 25
 Suleiman, Moayyad E., 0L
 Sunaguchi, N., 1X
 Tai, Yuan-Chuan, 18
 Taibi, A., 0S, 15
 Takeo, Hideya, 1U
 Tam, Nathan, 1P
 Tang, Lichen, 0Z
 Tapia, Kriscia, 0L
 Tavakoli Taba, Seyedamir, 0T, 1P, 29
 Thompson, Darren, 0T
 Tingberg, Anders, 0C, 0U, 16, 20, 24
 Tonutti, M., 0S
 Torlegård, B., 16
 Tornai, Martin P., 18
 Tromba, Giuliana, 0S, 0T, 1P
 Trumble, Matthew, 1C
 Tsugane, Shoichiro, 0F
 Tsui, Benjamin M. W., 0X
 Tucciariello, R. M., 15
 Turkington, Timothy G., 18
 Uchiyama, Nachiko, 0F
 Vacchieri, I., 1H
 Van Berkel, Brecht, 10
 Vancollie, Liesbeth, 03
 van Craenenbroeck, Amaryllis, 10
 van Engen, Ruben, 2I
 Van Ongeval, Chantal, 10, 14, 2A
 Vent, Trevor L., 0V, 13, 17
 Venturi, G., 1H
 Verhoeven, Hannelore, 2K
 Vieira, Marcelo A. C., 0K, 0N
 Vilanova, Joan C., 0B
 Villa, Raffaele, 1K
 Villaseñor-Navarro, Y., 08, 28
 Vilorio, C., 2G
 Wallis, Matthew, 0O
 Walton, William C., 0X
 Wang, Kaier, 0I
 Warren, Lucy M., 0I, 1C
 Wileyto, E. Paul, 0V
 Wilkinson, Louise, 1C
 Williams, Mark B., 0W, 18
 Wong, Molly D., 1Q
 Wu, Xizeng, 1Q
 Xiao, Qin, 0Z
 Xthona, Albert, 1S
 Yaffe, Martin J., 02
 Yamada, Koji, 1T, 1V
 Yamamuro, Mika, 1T, 1V
 Yasuda, Nao, 1T, 1V
 Young, Kenneth C., 1C, 1G
 Yuasa, T., 1X
 Zackrisson, Sophia, 0C, 0O, 0U, 16, 20, 24
 Zanonati, F., 0S
 Zhang, C., 1R
 Zhao, Wei, 05, 0J, 0Q
 Zwiggelaar, Reyer, 0A, 19, 25