

available at www.sciencedirect.com
journal homepage: www.europeanurology.com



Acknowledgement to Reviewers

We would like to sincerely thank each and every reviewer who dedicated his or her time and expertise to reviewing manuscripts for European Urology, the Platinum Journal, from March 1, 2019 to August 1, 2019. The collaboration with the reviewers is essential to the success of European Urology which is why each member of the Editorial Board at Large is identified according to their participation and support. Without their help, European Urology would not be as successful as it is today. We look forward to continuing this fruitful collaboration in the future.

Phillip Abbosh, Philadelphia
Firas Abdollah Faik, Detroit
Michael Abern, Chicago
Andre Luis Abreu, Los Angeles
Dominik Abt, St. Gallen
Mohammad Abufaraj, Vienna
Ari Adamy, Curitiba
Jan Adolfsson, Stockholm
Neeraj Agarwal, Salt Lake City
Piyush Agarwal, Bethesda
Rahul Aggarwal, San Francisco
Ardalan Ahmad, Toronto
Hashim Ahmed, London
Sascha Ahyai, Göttingen
Murat Akand, Konya
Emre Akkus, Istanbul
Ilker Akyol, Istanbul
Hikmat Al-Ahmadie, New York
Peter Albers, Düsseldorf
Peter Albertsen, Farmington
Laurence Albiges, Villejuif
Antonio Alcaraz, Barcelona
Shabbir Alibhai, Toronto
Mario Álvarez-Maestro, Madrid
Umberto Anceschi, Rome
Karl-Erik Andersson, Winston Salem
Sero Andonian, Montreal
Emmanuel Antonarakis, Baltimore
Alessandro Antonelli, Brescia
Leen Antonio, Leuven
Tiago Antunes-Lopes, Porto
Mekhail Anwar, San Francisco
Yoshitaka Aoki, Fukui
Ana Aparicio, Houston
Apostolos Apostolidis, Thessaloniki
Andrew Armstrong, Durham
Irfan Asangani, Philadelphia
Akbar Ashrafi, Los Angeles
Melissa Assel, New York
Gerhardt Attard, London
Annabelle Aublé, Rouen
François Audenet, Paris

Etienne Audet-Walsh, Québec city
Gregory Aufferberg, Chciago
Herbert Augustin, Graz
Riccardo Autorino, Richmond
Joyce Baard, Amsterdam
Marko Babjuk, Praha
Aditya Bagrodia, Dallas
Arjun Balar, New York
Mark Ball, Bethesda
Devanshu Bansal, New Delhi
Christopher Barbieri, New York
Jelle Barentsz, Nijmegen
Ravi Barod, London
Karsten Bartels, Aurora
Riccardo Bartoletti, Pisa
Ricarda Bauer, Munich
Dina Bedretdinova, Le Kremlin-Bicetre
Joaquim Bellmunt, Brookline
Himisha Beltran, Boston
Nelson Bennett Jr., Chicago
Karim Bensalah, Rennes
Charlien Berghen, Leuven
Bimal Bhindi, Calgary
Fernando Bianco, Miami Lakes
Xavier Biarreau, Lille
Pierre Bigot, Angers
Trinity Bivalacqua, Baltimore
Anders Bjartell, Malmo
Peter Black, Vancouver
Bertil Blok, Rotterdam
Michael Blute, Gainesville
Luca Boeri, Milan
Guy Bogaert, Leuven
Michel Bolla, Grenoble
Stephen Boorjian, Rochester
Joost Boormans, Rotterdam
Marco Borghesi, Bologna
Hala Borno, San Francisco
Tudor Borza, Madison
J. Bosch, Utrecht
Rohit Bose, San Francisco
Alberto Bossi, Villejuif

Peter Bostrom, Turku
Liam Bourke, Sheffield
Paul Boutros, Los Angeles
Ola Bratt, Göteborg
Sabine Brookman-May, Regensburg
Oscar Brouwer, Amsterdam
James Brugarolas, Dallas
Franck Bruyere, Tours
Richard Bryan, Birmingham
Jenna Buckwalter, Hershey
Matthew Bultitude, London
Arthur Burnett, Baltimore
Frank Cackowski, Ann Arbor
Tommaso Cai, Trento
Steven Campbell, Cleveland
Lysanne Campeau, Outremont
Riccardo Campi, Florence
Abdullah Canda, Istanbul
David Canes, Burlington
Andi Cani, Ann Arbor
Umberto Capitanio, Milan
Paolo Capogrosso, Milan
Megan Caram, Ann Arbor
Maria Carlo, New York
Sigrid Carlsson, New York
Peter Carroll, San Francisco
H. Ballentine Carter, Baltimore
Rufus Cartwright, London
Elena Castro, Madrid
David Castro-Diaz, San Cristobal de La Laguna
Jozefina Casuscelli, Muenchen
Mete Cek, Istanbul
Selim Cellek, Chelmsford
Toby Chai, Boston
June Chan, San Francisco
Keith Syson Chan, Houston
Peter Chang, Boston
Brian Chapin, Houston
David Chen, Rockledge
Ronald Chen, Chapel Hill
Heather Cheng, Seattle

- Liang Cheng, Indianapolis
 Lisly Chery, Houston
 Joseph Chin, London
 Toni Choueiri, Boston
 Benjamin Chung, Stanford
 Marcin Cieslik, Ann Arbor
 Luca Cindolo, Vasto
 Joseph Clark, Hershey
 Andrea Cocci, Florence
 Adam Cole, Ann Arbor
 Jonathan Coleman, New York
 Justin Collins, Stockholm
 Kathleen Cooney, Salt Lake City
 Luigi Cormio, Bari-Palese
 Philip Cornford, Liverpool
 Nicholas Cost, Aurora
 Elisabetta Costantini, Terni
 Cesare Cozzarini, Milan
 Simon Crabb, Southampton
 Francisco Cruz, Porto
 Zoran Culig, Innsbruck
 Marcus Cumberbatch, Sheffield
 Saeed Dabestani, Malmö
 Roland Dahlem, Hamburg
 William Dahut, Bethesda
 Deepansh Dalela, Detroit
 Marc Dall'Era, Sacramento
 Anthony D'Amico, Boston
 David D'Andrea, Vienna
 Siamak Daneshmand, Los Angeles
 Atreya Dash, Seattle
 Timothy Daskivich, Los Angeles
 Matthew Davenport, Ann Arbor
 Benjamin Davies, Pittsburgh
 Ian Davis, Box Hill
 Johann de Bono, London
 Gert de Meerleer, Leuven
 Cosimo De Nunzio, Roma
 Theo M. de Reijke, Amsterdam
 Xavier Deffieux, Clamart
 Federico Deho, Milan
 Neil Desai, Dallas
 Robert Dess, Ann Arbor
 Karel Dewulf, Izegem
 Saravana Mohan Dhanasekaran, Ann Arbor
 Mallika Dhawan, San Francisco
 Hooman Djaladat, Los Angeles
 Roger Dmochowski, Nashville
 Steeve Doizi, Paris
 James Donaldson, Aberdeen
 Tanya Dorff, Duarte
 Tracy Downs, Madison
 Rodney Dunn, Ann Arbor
 James Dupree, Ann Arbor
 Lars Dyrskjøt, Aarhus
 Thorsten Ecke, Bad Saarow
 Jason Efstathiou, Boston
 Scott Eggener, Chicago
 Behfar Ehdai, New York
 Ana Eiján, Buenos Aires
 Alaa El Ghoneimi, Paris
 Ahmed R. EL-Nahas, Mansoura
 Mark Emberton, London
 Jonathan Epstein, Baltimore
 Manuel Etienne, Rouen
 Karel Everaert, Gent
 Wouter Everaerts, Leuven
 Izak Faiena, New York
 Farzana Faisal, Baltimore
 Marco Falcone, Turin
 Bishoy Faltas, New York
 Fawzy Farag, Sohag
 Khaled Fareed, Cleveland
 Felix Feng, San Francisco
 Christopher Filson, Atlanta
 Karim Fizazi, Villejuif
 Mikkel Fode, Roskilde
 Gregorz Fojecki, Sønderborg
 Elisabeth Fransen van de Putte, Amsterdam
 Michael Fraser, Toronto
 Massimo Freschi, Milan
 Terence Friedlander, San Francisco
 Xavier Fritel, Poitiers
 Michael Froehner, Dresden
 Susanne Fuessel, Dresden
 Adam Gadzinski, Seattle
 Antonio Galfano, Milano
 Matthew Galsky, New York
 David Galvin, Dublin
 Giorgio Gandaglia, Milan
 Herney García-Perdomo, Cali
 Isla Garraway, Los Angeles
 Bogdan Geavlete, Bucharest
 Yasser Ged, New York
 Arvin George, Ann Arbor
 Boris Gershman, Boston
 Matthew Gettman, Rochester
 Daniel Geynisman, Philadelphia
 William Gibson, Edmonton
 Jeffrey Gingrich, Durham
 Guido Giusti, Basiglio
 Hanan Goldberg, Toronto
 Leonard Gomella, Philadelphia
 Juan Gómez Rivas, Madrid
 Paolo Gontero, Torino
 Javier Gonzalez, Madrid
 Mark Gonzalgo, Miami
 John Gore, Seattle
 Magda Grabowska, Cleveland
 Markus Graefen, Hamburg
 Francesco Greco, Bergamo
 Justin Gregg, Houston
 Jon Griffin, Sheffield
 Thomas Griffith, Minneapolis
 Derek Griffiths, Edmonton
 Marc-Oliver Grimm, Jena
 Petros Grivas, Seattle
 Robert Grubb, Charleston
 Bertrand Guillon, Bern
 Roman Gulati, Seattle
 Shuchi Gulati, Cincinnati
 Per Guldberg, Copenhagen
 Gopal Gupta, Maywood
 Shilpa Gupta, Cleveland
 Gavin Ha, Seattle
 Rebecca Haddad, Paris
 Miki Haifler, Be'er Ya'akov
 Oliver Hakenberg, Rostock
 A Ari Hakimi, New York
 William Hall, Milwaukee
 Omar Hameed, Nashville
 Rizwan Hamid, London
 Robert Hamilton, Toronto
 Johanna Hannan, Greenville
 Noboru Hara, Niigata
 Jason Hearn, Ann Arbor
 Hannelore Heemers, Cleveland
 John Heesakkers, Nijmegen
 Axel Heidenreich, Aachen
 Magnus Hellstrom, Stockholm
 Wayne Hellstrom, New Orleans
 Jacklyn Hellwege, Nashville
 Martin Hennenberg, Munich
 Rui Henrique, Porto
 Annika Herlemann, Munich
 Lindsey Herrel, Ann Arbor
 Michael Hofman, Melbourne
 Florin Hopland-Nechita, Førde
 Abolfazl Hosseini, Stockholm
 Dan Hovelson, Ann Arbor
 Andrew Hsieh, Seattle
 James Hsieh, St. Louis
 Jim Hu, New York
 Franklin Huang, San Francisco
 Haojie Huang, Rochester
 William Huang, New York
 Maha Hussain, Chicago
 Syed Hussain, Sheffield
 Ryan Hutchinson, Dallas
 Brant Inman, Durham
 William Isaacs, Baltimore
 Hendrik Isbarn, Hamburg
 Kazuto Ito, Takasaki
 Gopa Iyer, New York
 Matthew Jackson, Newcastle upon Tyne
 Michelle Jacobs, Ann Arbor
 Christian Jensen, Herlev
 Chang Wook Jeong, Seoul
 Carmen Jeronimo, Porto
 Michael Jewett, Toronto
 Robert Jones, Glasgow
 Shreyas Joshi, Philadelphia
 Vidhu Joshi, Rochester
 Klaus Jung, Berlin
 Ates Kadioglu, Istanbul
 Samuel Kaffenberger, Ann Arbor
 Panagiotis Kallidonis, Patras
 Ashish Kamat, Houston
 Onder Kara, Cleveland
 R. Jeffrey Karnes, Rochester
 Veeru Kasivisvanathan, London
 Max Kates, Baltimore
 Michael Kattan, Cleveland
 Dharam Kaushik, San Antonio
 James Kearns, Seattle
 Stacey Kenfield, San Francisco

- Zine-Eddine Khene, Rennes
Adam Kibel, Boston
Isaac Kim, New Brunswick
Amar Kishan, Los Angeles
Zachary Klaassen, Augusta
Julia Klap, Créteil
Tobias Klatte, Bournemouth
Jan Kliment, Martin
Luis Kluth, Frankfurt (Main)
Thomas Knoll, Sindelfingen
Fumitaka Koga, Tokyo
Manish Kohli, Tampa
Tsunenori Kondo, Shinjuku-ku
Bridget Koontz, Durham
Zachary Kornberg, San Francisco
Vadim Koshkin, San Francisco
Nils Kroeger, Greifswald
Shilajit Kundu, Chicago
Alexander Kutikov, Philadelphia
Carlo La Vecchia, Milano
M. Pilar Laguna, Amsterdam
Alastair Lamb, Oxford
Brian Lane, Grand Rapids
Joshua Lang, Madison
Alessandro Larcher, Milano
Aaron Laviana, Los Angeles
Nathan Lawrentschuk, Heidelberg
Massimo Lazzeri, Firenze
Tiffany Le, New York
Michael Leapman, New Haven
Amir Lebastchi, Washington
Souhil Lebdai, Angers
Byron Lee, Cleveland
Richard Lee, New York
John Leppert, Stanford
Seth Lerner, Houston
Joseph Liao, Stanford
Daniel Lin, Seattle
Guiting Lin, San Francisco
Mark Lynch, London
Johan Lindberg, Stockholm
Brian Linder, Rochester
Michael Liss, San Antonio
Carlos Llorente, Alcorcon
Stacy Loeb, New York
Christopher Logothetis, Houston
Antonio Lopez-Beltran, Cordoba
Tamara Lotan, Baltimore
Yair Lotan, Dallas
William Lowrance, Salt Lake City
Amy Luckenbaugh, Nashville
Giovanni Lughezzani, Rozzano
Nicolaas Lumen, Gent
Jun Luo, Baltimore
Timothy Lyon, Rochester
Robert MacInnis, Melbourne
Sheila MacNeil, Sheffield
Ravi Madan, Bethesda
Stephan Madersbacher, Wien
Brandon Mahal, Boston
Sachin Malde, London
Philipp Mandel, Frankfurt
Altaf Mangera, Sheffield
Ram Mani, Dallas
Brandon Manley, Tampa
Tom Marcelissen, Maastricht
Sarah Markt, Boston
Neil Martin, Boston
Selma Masic, Philadelphia
Ross Mason, Rochester
Joaquin Mateo, Barcelona
Justin Matulay, Houston
Richard Matulewicz, Chicago
Vsevolod Matveev, Moscow
Roman Mayr, Regensburg
Rhiannon McBean, Brisbane
David McConkey, Baltimore
Andrew McIntosh, Philadelphia
Jesse McKenney, Cleveland
Joshua Meeks, Chicago
Ulrich Mehnert, Zurich
Rohit Mehra, Ann Arbor
Fred Menko, Amsterdam
Paul Meria, Paris
Michele Meschia, Magenta
Christian Meyer, Hamburg
Omar Mian, Cleveland
Uros Milenkovic, Leuven
Andrea Minervini, Florence
Sukhbinder Minhas, London
Vincent Misrai, Toulouse
Nicholas Mitsiades, Houston
David Miyamoto, Boston
Hiroshi Miyamoto, Rochester
Parth Modi, Ann Arbor
Steven Monda, Sacramento
Bruce Montgomery, Seattle
Rodolfo Montironi, Ancona
Alicia Morgans, Chicago
Lisa Moris, Leuven
David Morris, Nashville
Alessandra Mosca, Novara
Marco Moschini, Milan
Matthew Mossanen, Boston
Hugh Mostafid, Guildford
Nicolas Mottet, Unias
Kent Mouw, Boston
Lorelei Mucci, Boston
Tim Muilwijk, Leuven
Deborah Mukherji, Beirut
Tony Mundy, London
Asif Muneer, London
Adam Murphy, Chicago
Declan Murphy, Melbourne
Katie Murray, Columbia
Teemu Murtola, Tampere
Stefania Musco, Firenze
Rong Na, Shanghai
Srinivas Nallandhigal, Ann Arbor
Arjun Nambiar, Newcastle-upon-Tyne
Yoshifumi Narumi, Kyoto
Roman Nawroth, Munich
Andrea Necchi, Milan
Lisa Newcomb, Seattle
Hao Nguyen, San Francisco
Nicholas G. Nickols, Los Angeles
Nicola Nicolai, Milano
Matt Nielsen, Chapel Hill
Tobias Nordström, Stockholm
François-Xavier Nouhaud, Rouen
Yaw Nyame, Seattle
Jorg Oddens, Amsterdam
Anobel Odisho, San Francisco
David Olmos, Madrid
Aurelius Omlin, St. Gallen
Brock O'Neil, Salt Lake City
Antonio Augusto Ornellas, Rio de Janeiro
Nadir Osman, Sheffield
Piet Ost, Gent
Palle Osther, Fredericia
Idir Ouzaïd, Paris
Vignesh Packiam, Rochester
Vincenzo Pagliarulo, Bari
Sumanta Pal, Duarte
Ganesh Palapattu, Ann Arbor
Valeria Panebianco, Rome
Alberto Pansadoro, Rome
Athanasios Papatsoris, Athens
William Parker, Kansas City
Kellogg Parsons, La Jolla
Anup Patel, London
Hiten Patel, Baltimore
Hiten Patel, Tromso
Jacob Patterson, Sheffield
Kathryn Penney, Boston
Nathan Perlis, Toronto
Curtis Pettaway, Houston
Benoit Peyronnet, Rennes
Eugene Pietzak, New York
Garry Pigot, Amsterdam
Sethu Pitchaiya, Ann Arbor
Elizabeth Plimack, Philadelphia
Guillaume Ploussard, Toulouse
Morgan Pokorny, Auckland
Mark Pomerantz, Boston
Francesco Porpiglia, Turin
Camillo Porta, Pavia
Sima Porten, San Francisco
Aaron Potretzke, Rochester
Benjamin Pradère, Tours
Mark Preston, Boston
Gail Prins, Chicago
Colin Pritchard, Seattle
Sarah Psutka, Seattle
Sanoj Punnen, Miami
David Quigley, San Francisco
David Quinn, Los Angeles
Kevin Rademakers, Maastricht
Arlo Radtke, Bremen
Francois Radvanyi, Paris
M.S. Rahnama'I, Maastricht
Ganesh Raj, Dallas
David Ralph, London
Ranjith Ramasamy, Miami
Adam Reese, Philadelphia
Chad Reichard, Houston
Zachery Reichert, Ann Arbor
Robert Reiter, Los Angeles

- Mesut Remzi, Vienna
Cyrill Rentsch, Basel
Maria-Jose Ribal, Barcelona
Tiago Ribeiro de Oliveira, Lisbon
Christopher Ricketts, Bethesda
Jennifer R. Rider, Boston
Malte Rieken, Basel
Michael Rink, Hamburg
Benjamin Ristau, Farmington
Mack Roach III, San Francisco
Grégoire Robert, Bordeaux
Mark Robson, New York
Florian Roghmann, Herne
monique Roobol, Rotterdam
Derek Rosario, Sheffield
Clemens Rosenbaum, Hamburg
Ashley Ross, Baltimore
Keith Rourke, Edmonton
Giorgio Ivan Russo, Catania
Kazutaka Saito, Tokyo
Vasileios Sakalis, Thessaloniki
Simpa Salami, Ann Arbor
Andrea Salonia, Milan
Jesse Sammon, Portland
Rafael Sanchez-Salas, Paris
Francesco Sanguedolce, Barcelona
Oliver Sartor, New Orleans
J. Sauvain, Vesoul
Kristen Scarpato, Nashville
Jack Schalken, Nijmegen
Bernd Schmitz-Drager, Erlangen
Bavaria
Martin Schoenthaler, Freiburg
Robert Segal, Towson
Thomas Seisen, Paris
Shomik Sengupta, Glen Waverley
Maurizio Serati, Varese
Ege Serefoglu, Ankara
John Sfakianos, New York
Nima Sharifi, Cleveland
Pranav Sharma, Lubbock
Vidit Sharma, Rochester
Alan Shindel, San Francisco
Jonathan Shoag, New York
Mesrur Selcuk Silay, Istanbul
Debra Silverman, Bethesda
Matthew Simmons, Bend
Giuseppe Simone, Rome
Eric Singer, Belle Mead
Karandeep Singh, Ann Arbor
Udit Singhal, Ann Arbor
Nirmish Singla, Dallas
Tristan Sissung, Bethesda
Susan Slovin, New York
Marij Smit, Rotterdam
Angela Smith, Chapel Hill
Bhaskar Somani, Southampton
Geoffrey Sonn, Stanford
Nikolai Sopko, Salt Lake Cty
Massimiliano Spaliviero, Stony Brook
Philippe Spiess, Tampa
Anne-Francoise Spinoit, Gent
Daniel Spratt, Ann Arbor
Ramaprasad Srinivasan, Bethesda
Andrew Stephenson, Chicago
Christian Stief, München
Bradley Stish, Rochester
Kelly Stratton, Oklahoma City
Maxine Sun, Boston
Debasish Sundi, Houston
Thomas Tailly, Ghent
Wei Phin Tan, Durham
Wei Shen Tan, London
Torgrim Tandstad, Trondheim
Rahul Tendulkar, Cleveland
Ashutosh Tewari, New York
George Thalmann, Bern
Nikesh Thiruchelvam, Cambridge
R. Houston Thompson, Rochester
Alan Thong, Stanford
Derya Tilki, Hamburg
Bertrand Tombal, Brussels
Jeffrey Tosoian, Ann Arbor
Karim Touijer, New York
Phuoc Tran, Baltimore
Olivier Traxer, Paris
Quoc-Dien Trinh, Boston
Bruce Trock, Baltimore
Dean Troyer, Norfolk
Matthew Truong, Cleveland
Alexander Tsodikov, Ann Arbor
Andrea Tubaro, Rome
Christian Türk, Wien
Manuela Tutolo, Leuven
Aaron Udager, Ann Arbor
Erin Van Blarigan, San Francisco
Roderick van den Bergh, Amsterdam
Frank Van der Aa, Leuven
Michiel van der Heijden, Amsterdam
Theo van der Kwast, Toronto
Henk Van der Poel, Amsterdam
Wouter van der Sluis, Amsterdam
Hendrik van Poppel, Leuven
Gillian Vandekerckhove, Vancouver
David VanderWeele, Chicago
Murali Varma, Cardiff
Juan Vásquez, Herlev
Annelies Verbiest, Leuven
Paolo Verze, Naples
Adriana Vidal, Los Angeles
Luca Villa, Milan
Geert Villeirs, Gent
Arnauld Villers, Lille
Finn von Eyben, Odense
Florian Wagenlehner, Giessen
Christopher Wallis, Nashville
Jochen Walz, Marseille
Dennis Y.Q. Wang, Sheffield
Samuel Washington III, San Francisco
Nick Watkin, London
Christopher Weight, Minneapolis
Adam Weiner, Chicago
Alon Weizer, Ann Arbor
Ryan Werntz, Greenville
Young Whang, Chapel Hill
Jared Whitson, Sacramento
Carl Wijkstra, Arnhem
Stephen Williams, Galveston
Kathryn Wilson, Brookline
J. Alfred Witjes, Nijmegen
Wim Witjes, Arnhem
Henry Woo, Sydney
Jonathan Wright, Seattle
Alexander Wyatt, Vancouver
Faysal Yafi, Orange
Kosj Yamoah, Tampa
John Yaxley, Brisbane
Evan Yu, Seattle
Harras Zaid, Burlington
Homayoun Zargar, Melbourne
Jelani Zarif, Baltimore
Alexander Zaslavsky, Ann Arbor
Lee Zhao, New York
Shuang Zhao, Ann Arbor
Matthew Ziegelmann, Rochester
Alexandre Zlotta, Toronto
Amina Zoubeydi, Vancouver
Zachary Zumsteg, Los Angeles