Editorial

2018 Eberhard F. Mammen Award Announcements: Part I—Most Popular Articles

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Welcome to the latest of our Eberhard F Mammen award announcements. As noted previously,[1–3] Thieme, the publisher of *Seminars in Thrombosis & Hemostasis* (STH), has created the *Eberhard F Mammen Excellence in Thrombosis and Hemostasis Awards* in honor of Eberhard Mammen (►**Fig. 1**) and in recognition of his contribution to this field and to the journal that he both founded and steered for more than three decades. These awards began in 2009, under two categories, "Most Popular Article Awards" and "Young Investigator Awards." Current details and conditions of the award can be summarized as follows:

- Most Popular Article Awards: These are awarded to the authors of the most popular articles published in STH. The awards are determined by the Editor-in-Chief on the basis of user statistics from Thieme e-Journals for the preceding 2 years. Prefaces, Errata, Letters to the Editor, Editorials, and previous award-winning articles are excluded from further consideration of these awards, which currently comprise two categories: one for "Open Access" articles and another for a "General Category." There are two major cash prizes of US$1,000 for each category. In addition, winners of the "General Category" awards are granted "open access" status for these articles thereafter.
- Young Investigator Awards: These are awarded for the best presentation or meeting abstract by a young investigator, as presented or delivered to an international or large regional meeting on a topic related to the fields of thrombosis and hemostasis, and whose subject matter is determined to be in the spirit of Dr. Mammen. There are up to six cash prizes of US$1,000 in any year. There are some additional considerations and conditions for the award, and awardees are expected to prepare a review or other paper related to the topic of their presentation for publication in STH.

Fig. 1 Eberhard F Mammen (1930–2008).

Further details of the awards and the award winners are posted online (https://www.thieme-connect.com/products/ejournals/journal/10.1055/s-00000077), and previous award winner announcements are also available in print.[4–17]

It is therefore with great pleasure that we would like to announce the latest winners of the 2018 Eberhard F Mammen awards for the most popular articles from STH for the period of 2016 to 2017 inclusive. We will be announcing the Young Investigator Awards related to meetings held in the recent past at a forthcoming opportunity.

2018 "Most Popular" Article Awards

As mentioned previously, the Most Popular awards are given to the authors of the most popular articles published in STH as determined on the basis of user statistics from the publisher of this journal and covering the preceding 2-year period. Thus, the 2018 "Most Popular" awards are

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granted to the most popular papers from 2016 to 2017 inclusive. Previous Eberhard F Mammen award-winning articles are listed in ►**Table 1**. These articles are currently available under an "Open Access" status and no longer qualify for future awards, although many will continue to appear in the most popular download statistics provided by the publisher. Indeed, not unexpectedly, all previous award-winning articles made the top 150 list, with most ranking highly and still proving popular with our readership.

There is also an increasingly recognized trend to publish articles in an open-access mode, and these have an "inequitable advantage" over other "non-open access" articles in terms of downloads because of their easy accessibility.

Table 1 Previous most popular award-winning papers

Year	Awarded for	Position in the 2018 list
2009	Jurk K, Kehrel BE. Platelets: physiology and biochemistry. Semin Thromb Hemost 2005;31(4):381–392	4
2009	Girolami B, Girolami A. Heparin-induced thrombocytopenia: a review. Semin Thromb Hemost 2006;32(8):803–809	44
2010	Harenberg J, Wehling M. Current and future prospects for anticoagulant therapy: inhibitors of factor Xa and factor IIa. Semin Thromb Hemost 2008;34(1):39–57	69
2010	Prechel M, Walenga JM. The laboratory diagnosis and clinical management of patients with heparin-induced thrombocytopenia: an update. Semin Thromb Hemost 2008;34(1):86–96	43
2010	Fareed J, Hoppensteadt DA, Fareed D, Demir M, Wahi R, Clarke M, Adiguzel C, Bick R. Survival of heparins, oral anticoagulants, and aspirin after the year 2010. Semin Thromb Hemost 2008;34(1):58–73	36
2011	Sobieraj-Teague M, O'Donnell M, Eikelboom J. New anticoagulants for atrial fibrillation. Semin Thromb Hemost 2009;35(5):515–524	56
2011	Mariani G, Bernardi F. Factor VII Deficiency. Semin Thromb Hemost 2009;35 (4):400–406	8
2012	Lippi G, Franchini M, Favaloro EJ, Targher G. Moderate red wine consumption and cardiovascular disease risk: beyond the "French paradox." Semin Thromb Hemost 2010;36(1):59–70	3
2012	Rak J. Microparticles in cancer. Semin Thromb Hemost 2010;36(8):888–906	9
2013	Fava C, Montagnana M, Favaloro EJ, Guidi GC, Lippi G. Obstructive sleep apnea syndrome and cardiovascular diseases. Semin Thromb Hemost 2011;37(3):280–297	24
2013	Tufano A, Guida A, Dario Di Minno MN, Prisco D, Cerbone AM, Minno GD. Prevention of venous thromboembolism in medical patients with thrombocytopenia or with platelet dysfunction: a review of the literature. Semin Thromb Hemost 2011;37(3):267–274	7
2014	Salmela B, Joutsi-Korhonen L, Armstrong E, Lassila R. Active online assessment of patients using new oral anticoagulants: bleeding risk, compliance, and coagulation analysis. Semin Thromb Hemost 2012;38(1):23–30	45
2014	Chapman K, Seldon M, Richards R. Thrombotic microangiopathies, thrombotic thrombocytopenic purpura, and ADAMTS-13. Semin Thromb Hemost 2012;38 (1):47–54	10
2014	Kenet G, Aronis S, Berkun Y, Bonduel M, Chan A, Goldenberg NA, Holzhauer S, Iorio A, Journeycake J, Junker R, Male C, Manco-Johnson M, Massicotte P, Mesters R, Monagle P, van Ommen H, Rafini L, Simioni P, Young G, Nowak-Göttl U. Impact of persistent antiphospholipid antibodies on risk of incident symptomatic thromboembolism in children: a systematic review and meta-analysis. Semin Thromb Hemost 2011;37(7):802–809	14
2015	Tapson VF. Thrombolytic therapy for acute pulmonary embolism. Semin Thromb Hemost 2013;39(4):452–458	35
2015	George JN, Charania RS. Evaluation of patients with microangiopathic hemolytic anemia and thrombocytopenia. Semin Thromb Hemost 2013;39(2):153–160	6
2015[a]	Hylek EM. Anticoagulation therapy for atrial fibrillation. Semin Thromb Hemost 2013;39(2):147–152	48
2015[a]	Rojas-Hernandez CM, Garcia DA. The novel oral anticoagulants. Semin Thromb Hemost 2013;39(2):117–126	138

Table 1 (*Continued*)

Year	Awarded for	Position in the 2018 list
2016	de Moerloose P, Casini A, Neerman-Arbez M. Congenital fibrinogen disorders: an update. Semin Thromb Hemost 2013;39(6):585–595	13
2016	Sethi S, Fervenza FC. Pathology of renal diseases associated with dysfunction of the alternative pathway of complement: C3 glomerulopathy and atypical hemolytic uremic syndrome (aHUS). Semin Thromb Hemost 2014;40(4):416–421	20
2016[a]	Bates SM. D-dimer assays in diagnosis and management of thrombotic and bleeding disorders. Semin Thromb Hemost 2012;38(7):673–682	26
2016[a]	Lippi G, Favaloro EJ, Meschi T, Mattiuzzi C, Borghi L, Cervellin G. E-cigarettes and cardiovascular risk: beyond science and mysticism. Semin Thromb Hemost 2014;40(1):60–65	2
2017	Boonyawat K, Crowther MA. Venous thromboembolism prophylaxis in critically ill patients. Semin Thromb Hemost 2015;41(1):68–74	62
2017	Levi M, Poll TV. Coagulation in Patients with Severe Sepsis. Semin Thromb Hemost 2015;41(1):9–15	75
2017[a]	Moore GW. Recent guidelines and recommendations for laboratory detection of lupus anticoagulants. Semin Thromb Hemost 2014;40(2):163–171	1
2017[a]	Warkentin TE. Heparin-induced thrombocytopenia in critically ill patients. Semin Thromb Hemost 2015;41(1):49–60	11
2017[b]	Favaloro EJ, Lippi G. Laboratory testing in the era of direct or non-vitamin K antagonist oral anticoagulants: a practical guide to measuring their activity and avoiding diagnostic errors. Semin Thromb Hemost 2015;41(2):208–227	5

[a]New Open Access category.

[b]This paper qualified as the "Most Popular" award winner based on objective publisher provided download data; however, as this paper was written by the journal Editor-in-Chief, there was an obvious conflict of interest, and the award was officially declined. This paper is listed here merely as a statement of record.

Accordingly, the publisher of STH has established a separate category of the Most Popular Award for "open-access" papers, to supplement the alternate "General Category," and thus the most popular papers are now listed in separate tables. ►**Table 2** lists the top 20 downloaded open-access articles from STH (2016 and 2017 inclusive), as eligible for the "Open Access" award.[18–37] ►**Table 3** lists the top 20 downloaded non-open access articles from STH (2016 and 2017 inclusive), as otherwise eligible for the "General Category" award.[38–57]

Accordingly, the 2017 Eberhard F Mammen award winners for the most popular article (2016 and 2017 inclusive) are as follows:

- Open Access Category:[18,19]
  - Cuker A, Prak ET, Cines DB. Can immune thrombocytopenia be cured with medical therapy? Semin Thromb Hemost 2015;41(4):395–404.
  - Cuker A. Clinical and laboratory diagnosis of heparin-induced thrombocytopenia: an integrated approach. Semin Thromb Hemost 2014;40(1):106–114.
- General Category:[38,39]
  - Gremmel T, Frelinger AL 3rd, Michelson AD. Platelet physiology. Semin Thromb Hemost 2016;42(3):191–204.
  - Mallett SV. Clinical utility of viscoelastic tests of coagulation (TEG/ROTEM) in patients with liver disease and during liver transplantation. Semin Thromb Hemost 2015;41(5):527–537.

It is always interesting to me how some issues, in particular, seem to catch the attention of the readership. The top-ranking issues this round from the aspect of having four or more papers in the top 100 download list were: Hot Topics V,[58] Anticoagulant Therapy: Present and Future,[59] Editorial Compilation I,[60] Platelet Function in Thrombosis and Hemostasis,[61] and Controversies in Inherited Bleeding Disorders.[62]

All authors of the award-winning articles were thrilled to hear that their papers had won an Eberhard F Mammen Most Popular award, and provided the following additional responses:

From Dr. Adam Cuker (►**Fig. 2**): "On behalf of my coauthors, I am truly humbled and delighted to receive not one but two Eberhard Mammen 2018 Most Popular Article Awards. As with novelists, poets, and playwrights, we in the biomedical community write in the hopes of reaching and illuminating our audience and perhaps of moving the needle in our chosen field, if ever-so-slightly, in the direction of progress. These awards are a vindication of our work. I am deeply grateful to *Seminars in Thrombosis and Hemostasis* and to its founding Editor-in-Chief, Eberhard Mammen, for providing a platform for me to reach my audience." One of

Table 2 Most popular papers: "Open Access" category[a]

Rank	Publication
1	Cuker A, Prak ET, Cines DB. Can immune thrombocytopenia be cured with medical therapy? Semin Thromb Hemost 2015;41(4):395–404
2	Cuker A. Clinical and laboratory diagnosis of heparin-induced thrombocytopenia: an integrated approach. Semin Thromb Hemost 2014;40(1):106–114
3	Schulman S. Update on the treatment of venous thromboembolism. Semin Thromb Hemost 2016;42(8):891–898
4	Raskob GE, Angchaisuksiri P, Blanco AN, Büller H, Gallus A, Hunt BJ, Hylek EM, Kakkar TL, Konstantinides SV, McCumber M, Ozaki Y, Wendelboe A, Weitz JI; ISTH Steering Committee for World Thrombosis Day. Thrombosis: a major contributor to global disease burden. Semin Thromb Hemost 2014;40(7):724–735
5	Elewa H, Ahmed D, Barnes GD. Triple oral antithrombotic therapy in atrial fibrillation and coronary artery stenting: searching for the best combination. Semin Thromb Hemost 2016;42(6):662–670
6	Althaus K, Greinacher A. MYH9-related platelet disorders. Semin Thromb Hemost 2009;35(2):189–203
7	Tersteeg C, Fijnheer R, Pasterkamp G, de Groot PG, Vanhoorelbeke K, de Maat S, Maas C. Keeping von Willebrand factor under control: alternatives for ADAMTS13. Semin Thromb Hemost 2016;42(1):9–17
8	Favaloro EJ. Clinical utility of the PFA-100. Semin Thromb Hemost 2008;34(8):709–733
9	Demers M, Wagner DD. NETosis: a new factor in tumor progression and cancer-associated thrombosis. Semin Thromb Hemost 2014;40(3):277–283
10	Mannucci PM, Mancuso ME, Santagostino E, Franchini M. Innovative pharmacological therapies for the hemophilias not based on deficient factor replacement. Semin Thromb Hemost 2016;42(5):526–532
11	Nurden AT. Platelet membrane glycoproteins: a historical review. Semin Thromb Hemost 2014;40(5):577–584
12	Wada H, Usui M, Sakuragawa N. Hemostatic abnormalities and liver diseases. Semin Thromb Hemost 2008;34 (8):772–778
13	Harenberg J, Du S, Krämer S, Weiss C, Krämer R, Wehling M. Patients' serum and urine as easily accessible samples for the measurement of non-vitamin K antagonist oral anticoagulants. Semin Thromb Hemost 2015;41(2):228–236
14	Italiano JE Jr. Unraveling mechanisms that control platelet production. Semin Thromb Hemost 2013;39(1):15–24
15	Mammen EF. Sticky platelet syndrome. Semin Thromb Hemost 1999;25(4):361–365
16	Zolfaghari S, Harenberg J, Frölich L, Weiss C, Wehling M, Wild P, Prochaska J, Beyer-Westendorf J, Koscielny J, Lip GY. Development of recommendations to continue anticoagulation with one of the two types of oral anticoagulants based on the identification of patients' preference. Semin Thromb Hemost 2015;41(2):166–177
17	Chighizola CB, Raimondo MG, Meroni PL. Management of thrombotic antiphospholipid syndrome. Semin Thromb Hemost 2017. doi: 10.1055/s-0036-1597282. [e-pub ahead of print] PubMed PMID: 28278524
18	Harenberg J, Kraemer S, Du S, Giese C, Schulze A, Kraemer R, Weiss C. Determination of direct oral anticoagulants from human serum samples. Semin Thromb Hemost 2014;40(1):129–134
19	Favaloro EJ, Pasalic L, Curnow J. Type 2M and type 2A von Willebrand disease: similar but different. Semin Thromb Hemost 2016;42(5):483–497
20	Zolfaghari S, Harenberg J, Froelich L, Wehling M, Weiss C. Development of a tool to identify patients' preference for vitamin K antagonist or direct oral anticoagulant therapy. Semin Thromb Hemost 2014;40(1):121–128

[a]2016 and 2017 inclusive; excludes nonqualifying material (e.g., Prefaces, Errata, Letters to the Editor, Editorials, and previous award-winning articles).

Dr. Cuker's coauthors, Dr. Eline T Luning Prak, also provided a portrait photo for use in the editorial (►**Fig. 3**), but Dr. Douglas B. Cines declined to do so.

From Dr. Thomas Gremmel (►**Fig. 4**): "I am grateful and truly honored to receive an Eberhard F. Mammen Most Popular Article Award in 2018 as it reflects the great interest in our work. It is amazing that our review on Platelet Physiology has already attracted a lot of attention within the scientific community, and was read and cited by many distinguished colleagues. I would like to thank my coauthors Alan D. Michelson and Andrew L. Frelinger for their support in preparing the article, Anne-Mette Hvas for her invitation to contribute a review article, and the publisher for providing the award. The editors of *Seminars in Thrombosis and Hemostasis* have to be complimented on their continued selection of very relevant topics for respective issues of the Journal. As a source of excellent review articles in thrombosis and hemostasis research, this journal plays a pivotal role in the dissemination of knowledge in the field. In this regard, I am particularly pleased that our article will now be given a 'free access' status, which will foster its further distribution." Both of Dr. Gremmel's coauthors, Drs. Andrew L. Frelinger III and Alan D. Michelson, also provided portrait photos for use in this editorial (►**Figs. 5** and **6**).

From Dr. Susan Mallett (►**Fig. 7**): "I was both delighted and surprised to receive the news that my review article had won a 2018 Eberhard Mammen award for the 'general' category. It is indeed a great honor, and highlights

Table 3 Most popular papers: "General" category[a]

Rank	Publication
1	Gremmel T, Frelinger AL 3rd, Michelson AD. Platelet physiology. Semin Thromb Hemost 2016;42(3):191–204
2	Mallett SV. Clinical utility of viscoelastic tests of coagulation (TEG/ROTEM) in patients with liver disease and during liver transplantation. Semin Thromb Hemost 2015;41(5):527–537
3	Kumar R, Dunn A, Carcao M. Changing paradigm of hemophilia management: extended half-life factor concentrates and gene therapy. Semin Thromb Hemost 2016;42(1):18–29
4	Gando S, Hayakawa M. Pathophysiology of trauma-induced coagulopathy and management of critical bleeding requiring massive transfusion. Semin Thromb Hemost 2016;42(2):155–165
5	Boccardo P, Remuzzi G, Galbusera M. Platelet dysfunction in renal failure. Semin Thromb Hemost 2004;30 (5):579–589
6	Lassila R. Platelet function tests in bleeding disorders. Semin Thromb Hemost 2016;42(3):185–190
7	Franchini M, Mengoli C, Capuzzo E, Terenziani I, Bonfanti C, Lippi G. Correlation between ABO blood group, and conventional hematological and metabolic parameters in blood donors. Semin Thromb Hemost 2016;42(1):75–86
8	McEwen BJ, Morel-Kopp MC, Tofler GH, Ward CM. The effect of omega-3 polyunsaturated fatty acids on fibrin and thrombin generation in healthy subjects and subjects with cardiovascular disease. Semin Thromb Hemost 2015;41(3):315–322
9	Schreiber K, Hunt BJ. Pregnancy and antiphospholipid syndrome. Semin Thromb Hemost 2016;42(7):780–788
10	Semeraro N, Ammollo CT, Semeraro F, Colucci M. Coagulopathy of acute sepsis. Semin Thromb Hemost 2015;41 (6):650–658
11	Lordkipanidzé M. Platelet function tests. Semin Thromb Hemost 2016;42(3):258–267
12	Baskurt OK, Meiselman HJ. Blood rheology and hemodynamics. Semin Thromb Hemost 2003;29(5):435–450
13	Scully M. Thrombotic thrombocytopenic purpura and atypical hemolytic uremic syndrome microangiopathy in pregnancy. Semin Thromb Hemost 2016;42(7):774–779
14	Curnow J, Pasalic L, Favaloro EJ. Treatment of von Willebrand disease. Semin Thromb Hemost 2016;42(2):133–146
15	Reynen E, James P. Von Willebrand disease and pregnancy: a review of evidence and expert opinion. Semin Thromb Hemost 2016;42(7):717–723
16	Riva N, Dentali F, Permunian ET, Ageno W. Major bleeding and case fatality rate with the direct oral anticoagulants in orthopedic surgery: a systematic review and meta-analysis. Semin Thromb Hemost 2016;42(1):42–54
17	Ramström S, Södergren AL, Tynngård N, Lindahl TL. Platelet function determined by flow cytometry: new perspectives? Semin Thromb Hemost 2016;42(3):268–281
18	Scharf RE. Drugs that affect platelet function. Semin Thromb Hemost 2012;38(8):865–883
19	Franchini M, Coppola A, Tagliaferri A, Lippi G. FEIBA versus NovoSeven in hemophilia patients with inhibitors. Semin Thromb Hemost 2013;39(7):772–778
20	Senoo K, Lip GY. Comparative efficacy and safety of the non-vitamin K antagonist oral anticoagulants for patients with nonvalvular atrial fibrillation. Semin Thromb Hemost 2015;41(2):146–153

[a]2016 and 2017 inclusive; excludes nonqualifying material (e.g., Prefaces, Errata, Letters to the Editor, Editorials, and previous award-winning articles).

Fig. 2 Dr. Adam Cuker.

Fig. 3 Dr. Eline T. Luning Prak.

Fig. 4 Dr. Thomas Gremmel.

Fig. 5 Dr. Andrew L. Frelinger III.

the degree of interest this article has attracted within the scientific community. It is especially valuable to me personally; as for so many years, outside of the field of perioperative medicine in which I practice; there has only been limited interest in the enormous potential of viscoelastic tests to provide clinically relevant and individualized information about the hemostatic status. Over the last decade, there has been a paradigm shift in the way coagulation in liver disease

Fig. 6 Dr. Alan D. Michelson.

Fig. 7 Dr. Susan Mallett.

is understood, with much new and exciting work demonstrating that hemostasis is finely, albeit precariously, 'rebalanced' in stable patients with liver disease due to the multiple and complex changes that occur in the hemostatic system. The many limitations and inadequacies of conventional coagulation tests in terms of assessing bleeding and thrombotic risk in patients with liver disease are now recognized. Future research using global viscoelastic tests will undoubtedly help elucidate some of these risks, and also give more relevant information that has the potential to eliminate many precautionary component transfusions that are completely unnecessary. As a consequence, clinical practice may be significantly altered for the better. I would very much like to thank Professors Ton Lisman and Hau Kwaan, who guest edited the issue on Hemostatic Dysfunction in Liver Diseases, for having given me the opportunity to write this review article for STH."

I must admit to particular joy on this occasion with these announcements. For example, Dr. Cuker won both awards for the "Open Access" Category. This is a first-time event in the history of these awards—to have one author win two of the available awards. Dr. Cuker is a member of the STH editorial board, having been invited to join soon after he won an earlier (2010) STH Young Investigator Award. Dr. Cuker has contributed several papers to STH, typically well received by our readership, and most recently undertook a guest editor role for an issue of STH, shepherding an issue on Clinical Scoring Systems in Thrombosis and Hemostasis for the journal.[63]

Also interesting is that the issue on platelets[61] was very popular, a finding that may have been predicted by the ongoing presence of one paper from 2005,[31] a 2009 Most Popular Award winner (►**Table 1**), on every annual Most Popular Award announcements.[4,6–10,12,14,15] I was also very proud to see two giants in the field, Drs. Larry Frelinger and Alan Michelson, share in a win on this occasion.[38]

Finally, I was particularly proud to see Eberhard F Mammen himself appear on the listing (►**Table 2**, number 15), for a paper he wrote on "sticky platelet syndrome" and published in 1999.[64] This renewed interest in "sticky platelet syndrome," one of Eberhard's greatest interests, may have

been spurred by our recent 40th Anniversary celebration of STH publishing,[65,66] as well as more recent papers on the topic,[67–69] in part in tribute to Dr. Mammen.

I would, as always, like to thank not only all of the authors listed in the tables, but also the contributing authors who did not manage to make these listings, as well as all the guest editors of issues recently published in STH. I also look forward to seeing future listings—always a great delight and sometimes quite a surprise.

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