

*November 21, 2019
Boston, MA, USA*

Host: Alexion

FALL 2019 PRISME FORUM TECHNICAL MEETING

Where Technology Creates Value for Pharma R&D

Chair:

Dan Chapman

Head, IT Early Solutions Information Management, *UCB*

Technical Meeting Chair:

Andreas Frieze

Head, Early Development IT Business Partnering Pharma, *Bayer*

Welcome Notes & Introductions

Dan Chapman
Head, Information
Management, IT New
Medicines, UCB;
Chair, PRISME Forum

Andreas Friese
Head, Early Development IT
Business Partnering Pharma,
Bayer
*Technical Meeting Chair,
PRISME Forum*

PRISME Forum

Statement of Compliance

“All meetings, working groups and communications will be open to all Members and any records thereof will be non-confidential and available for inspection by any Member.

The Members acknowledge that discussing any commercially sensitive topics, including costs, volumes, inventories, sales level methods, channels of distribution, access to future products, markets, current or future prices, profitability, *contract pricing or trading terms* is prohibited.

The Members of PRISME will strictly comply with all laws relevant to their activities, including US state and federal anti-trust laws and European competition laws.”

Host



Martin Leach, VP R&D IT, Global Quality IT, Enterprise Data Mgmt & Analytics

Heidi Skriptunas, Senior Administrative Coordinator

Leah Trasher, Events & Catering Coordinator

PRISME Forum - Fall 2019 Technical Meeting Advisory Committee



CHAIR: Andreas Frieze
Head, Early Development IT
Business Partnering Pharma,
Bayer



Christian Baber
Head, Scientific Informatics,
Takeda



Michael Cassidy
Executive Director: Head of Research IT
Regeneron



Lars Greiffenberg
Director, R&D Information
Research, Library Sciences &
Acad. Partnerships, *AbbVie*



Martin Leach
Vice President, R&D IT, Global
Quality IT, HR IT, Enterprise
Data Management & Analytics,
Alexion



Tomoyuki Matsunaga
Head of Research Management
Systems, Research IT, *Takeda*



Scott Oloff
Exec. Director of IT R&D and
Medicine Enablement,
Boehringer-Ingelheim

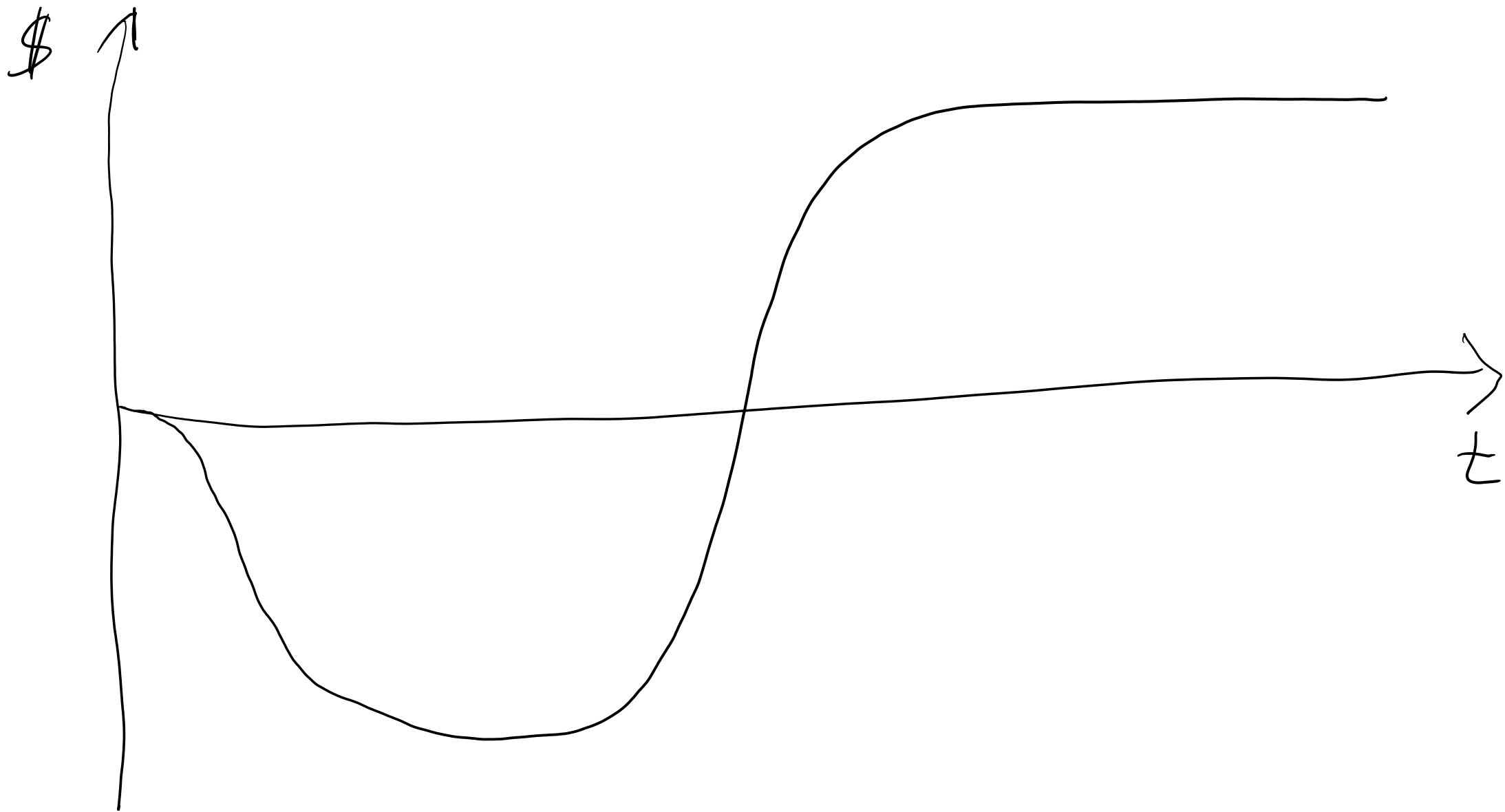


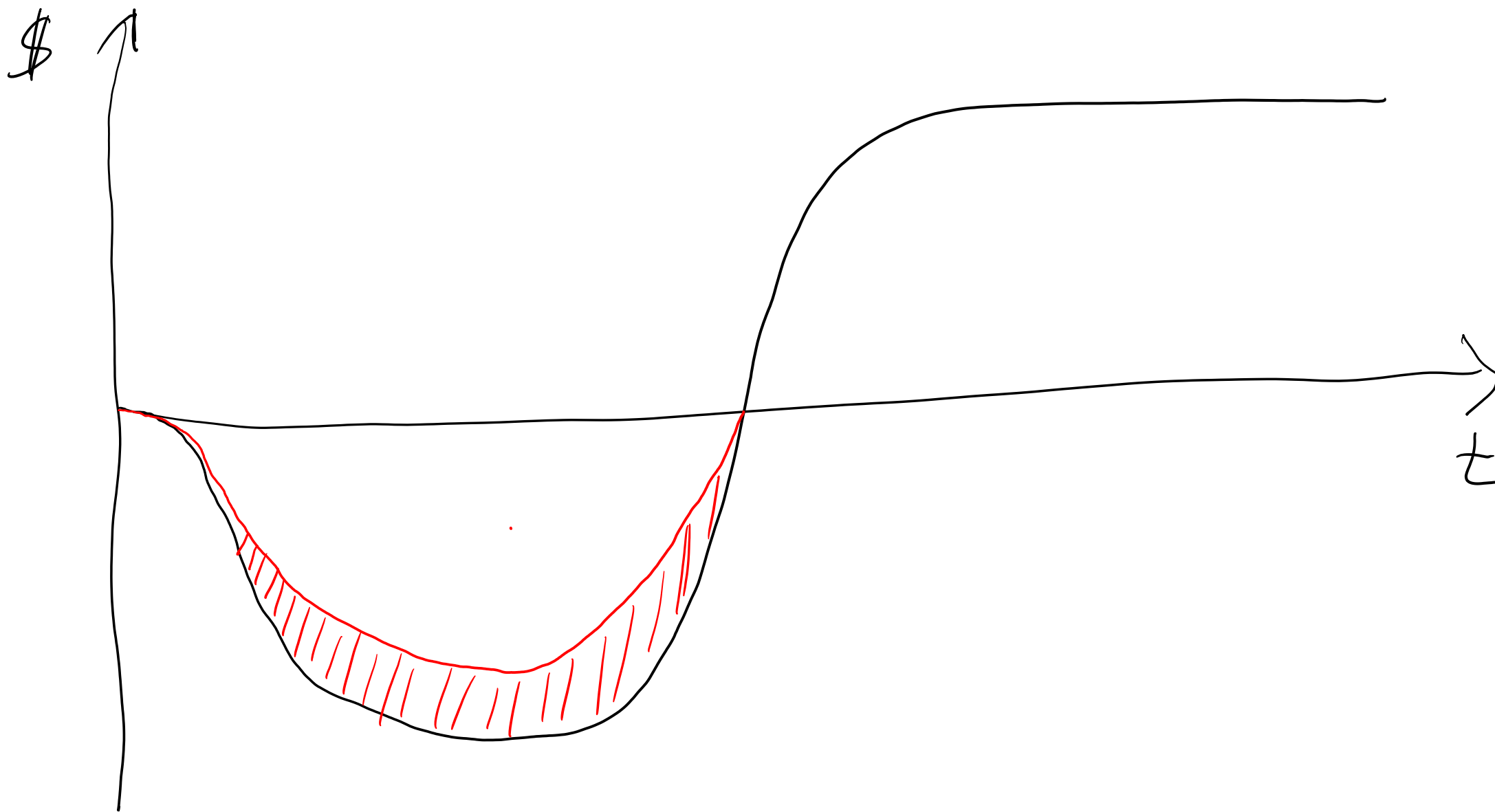
John CM Wise
Program Coordinator, *PRISME Forum*

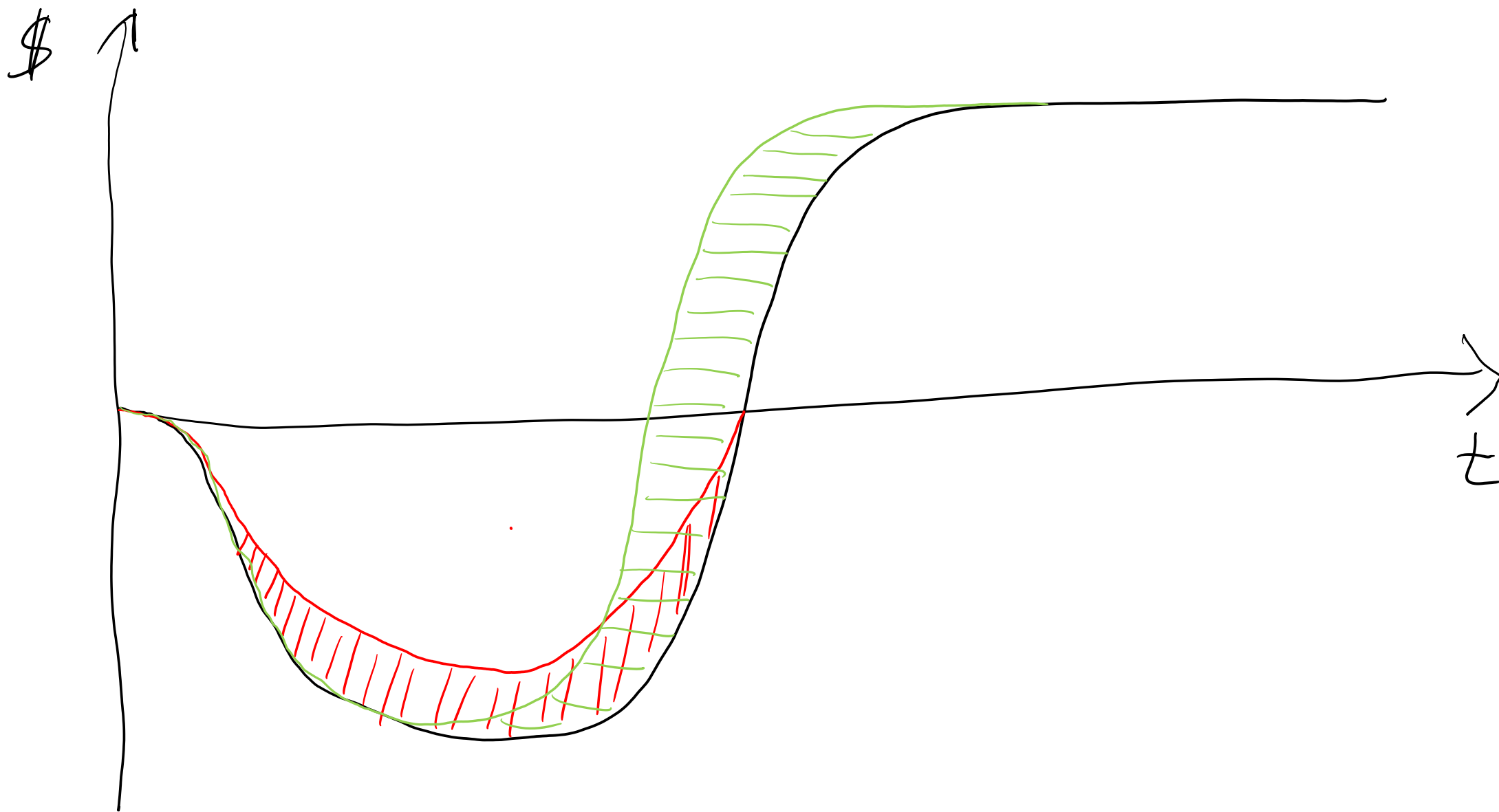
2019 Fall

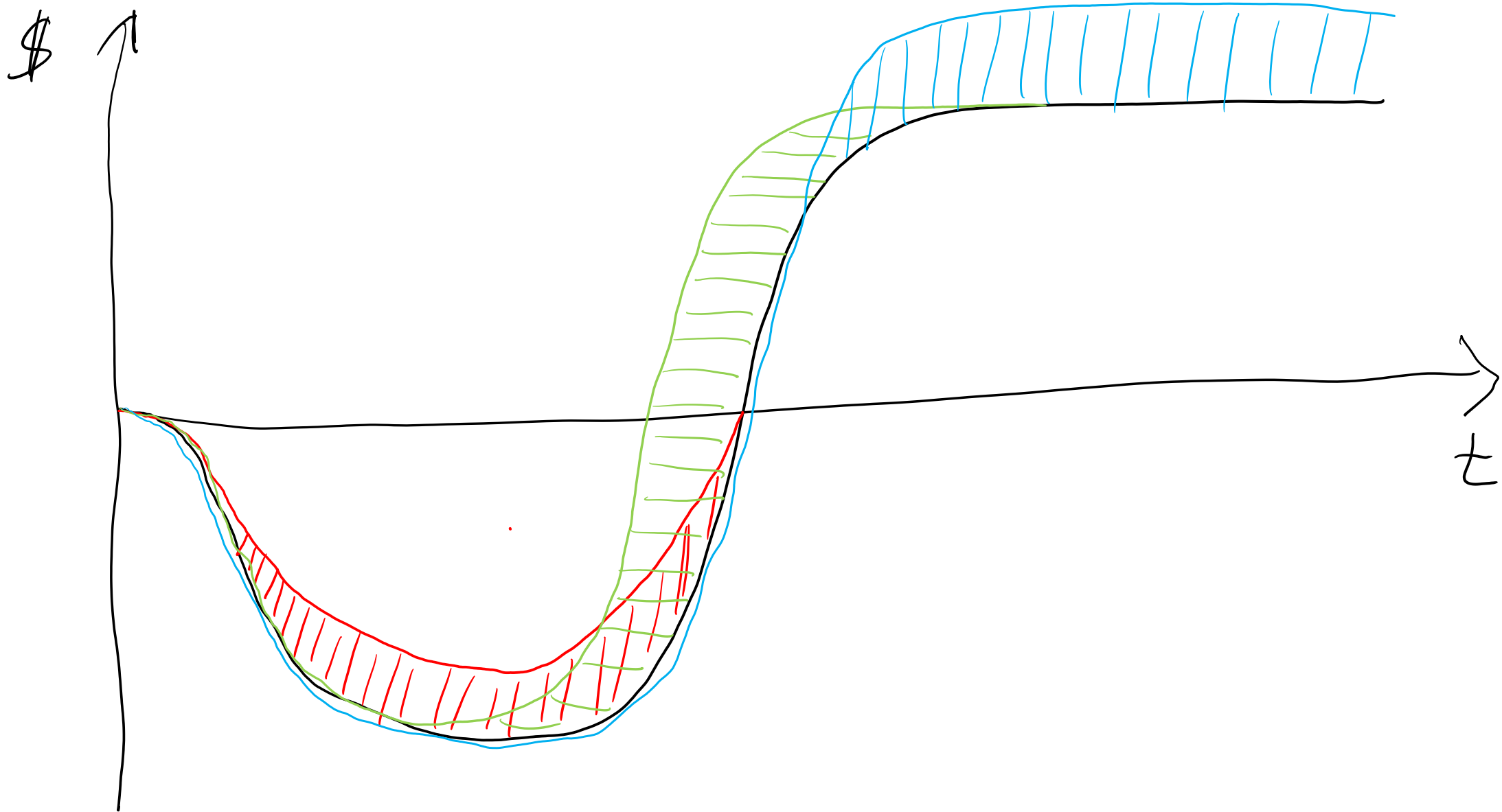
PRISME Forum Technical Meeting Theme:

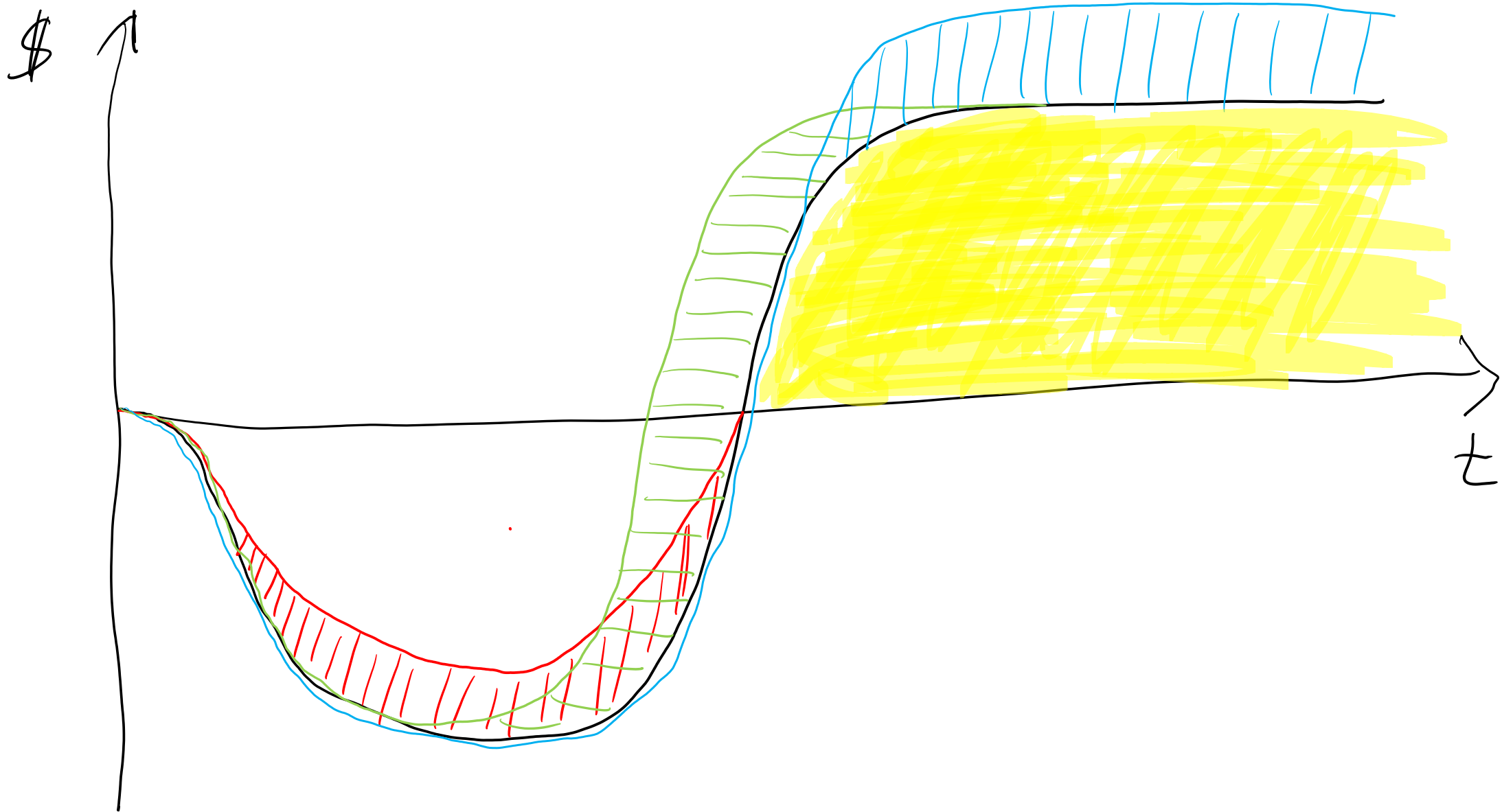
Where Technology Creates Value for Pharma R&D











THURSDAY, November 21, 2019

08:25	Welcome Notes & Introductions	Dan Chapman, Head of IT Early Solutions Info Mgmt, UCB; Chair, PRISME Forum Andreas Frieze, Head, Early Development IT Business Partnering Pharma, Bayer; Technical Meeting Chair, PRISME Forum
08:30	SESSION I: PRESENTATIONS AND DISCUSSION	Chair: Andreas Frieze, Head, Early Development IT Business Partnering Pharma, Bayer; Technical Meeting Chair, PRISME Forum
08:30	Personalized healthcare at Roche	Niaz Jalal, Global Head of Digital Health Platforms, Personalized Healthcare, Product Development, Genentech
09:00	Where technology creates value for Pharma R&D <ul style="list-style-type: none"> What are the interesting examples of where technology has created value for R&D? How does R&D measure the value that technology brings? What are the top three things R&D is doing differently to embrace technology? 	Moderator: Andreas Frieze, Head, Early Dev IT Business Partnering Pharma, Bayer <ul style="list-style-type: none"> Christian Baber, Head, Scientific Informatics, Takeda Martin Leach, VP R&D IT, Global Q IT, Enterprise Data Mgmt. & Analytics, Alexion Carol Rohl, Executive Director, Global Research IT & Informatics, Merck Ed Trautman, Vice President, Sci & Clinical Analytics and Informatics, Pfizer
09:45	The technology fallacy: how people are the real key to digital transformation	Michael Church, Managing Director, Deloitte Consulting Martin Leach, VP R&D IT, Global Q IT, Enterprise Data Mgmt. & Analytics, Alexion Anh Phillips, Senior Manager, Deloitte's CIO Program
10:15	Coffee Break	
10:45	SESSION II: PERSPECTIVES – COMPUTING OF THE FUTURE	Chair: Scott Oloff, Executive Director, IT Research, Development, and Medicine Enablement, Boehringer Ingelheim
10:45	Accelerating drug discovery using quantum computing	Bhushan Bonde, Head of IT Early Solutions Innovation Development, UCB
11:00	Quantum computing – a new approach to study human disease patterns?	Ulf Hengstmann, BP Medical Affairs & Pharmacovigilance, Bayer
11:15	When is quantum advantage/supremacy, when and how will it happen?	Christopher Savoie, CEO, Zapata Computing
11:30	Digital Annealer	Taisuke Iwai, Head of Digital Annealer Unit, Fujitsu
11:45	Panel Discussion (all contributors to this session)	

PRISME Forum Technical Meeting Agenda (morning)

THURSDAY, November 21, 2019

12:10	SESSION III A: POSTERS		Chair: Martin Leach, VP R&D IT, Global Q IT, Enterprise Data Mgmt. & Analytics, Alexion
12:10	Introduction to the poster presentations		
12:15	Poster Rotations (Three 10-minute rotations)		
	P ₁	Unsupervised annotation of phenotypic abnormalities via semantic latent representations on electronic health records	Vibhor Gupta, Director and Founder, Pangaea Jingqing Zhang, Pangaea
	P ₂	Autonomous laboratory robots are here!	Oskari Vinko, Co-founder, UniteLabs
	P ₃	Single platform integration of microbiome and antimicrobial resistance analytics and content	Jonathan Jacobs, Director of Global Product Management, Genomic Analysis, QIAGEN
	P ₄	GxP compliant data transfer of wearable device data in clinical trials: a case study in Friedreich Ataxia	Ariel Dowling, Associate Director of Digital Clinical Devices, Takeda Matthew Johnson, General Manager, Chief Commercial Officer, APDM
	P ₅	Personalized health solutions case study: myPKFiT	Jennifer Craig Cordova, Global Head: R&D Connected & Software Medical Device, Takeda
12:45	Lunch Break		
13:40	SESSION III B: POSTERS		Chair: Martin Leach, VP R&D IT, Global Q IT, Enterprise Data Mgmt. & Analytics, Alexion
	Poster Session (Remaining two 10-minute rotations)		

PRISME Forum Technical Meeting Agenda (afternoon)

14:00	SESSION IV: PRESENTATIONS	Chair: Andreas Friese, Head, Early Development IT Business Partnering Pharma, Bayer; Technical Meeting Chair, PRISME Forum
14:00	Digital health investing: Boehringer Ingelheim venture fund	Debbie Lin, Executive Director, Boehringer Ingelheim Venture Fund Digital Health
14:30	Focus on AI/ML, contrasting with big-data, and implications/opportunities in the life sciences	John Reynders, Vice President, Data Sciences, Genomics, and Bioinformatics, Alexion Pharmaceuticals
15:00	Coffee Break	
15:30	SESSION V: PRESENTATIONS	Chair: Tomoyuki Matsunaga, Business Partner & Shonan Site IT Head, Scientific Informatics, Global IT, Takeda
15:30	Multi-disciplinary computational urban sciences research in emerging data driven applications	Jibonananda (Jibo) Sanyal, Group Leader and Senior Scientist, Oak Ridge National Laboratory
16:00	A digital therapeutic and its R&D journey – tales from the road	Hank Wu, Chief Digital Officer, Luminopia
16:30	SESSION VI: MEETING SUMMARY, AWARDS & RECEPTION	Chair: Andreas Friese, Head, Early Development IT Business Partnering Pharma, Bayer; Technical Meeting Chair, PRISME Forum
16:30	Meeting Summary	
16:40	Awards	
16:45	Networking Reception at Alexion	
18:00	Return to Conference Hotel	
19:00	Informal dinner (gather in the hotel lobby for walk to restaurant)	

Where technology creates value for Pharma R&D

- *What are the interesting examples of where technology has created value for R&D?*
- *How does R&D measure the value that technology brings?*
- *What are the top three things R&D is doing differently to embrace technology?*

Moderator:

Andreas Friese, Head, Early Dev IT Business Partnering Pharma, Bayer

- **Christian Baber**, Head, Scientific Informatics, Takeda
- **Martin Leach**, VP R&D IT, Global Q IT, Enterprise Data Mgmt. & Analytics, Alexion
- **Carol Rohl**, Executive Director, Global Research IT & Informatics, Merck
- **Ed Trautman**, Vice President, Sci & Clinical Analytics and Informatics, Pfizer



Christian Baber



Martin Leach



Carol Rohl



Ed Trautman

**The technology fallacy:
how people are the real key to digital
transformation**

Michael Church, Managing Director, Deloitte Consulting
Martin Leach, VP R&D IT, Global Q IT, Enterprise Data Mgmt. &
Analytics, Alexion
Anh Phillips, Senior Manager, Deloitte's CIO Program



Martin Leach



Anh Phillips



Mike Church

SESSION II: PERSPECTIVES – COMPUTING OF THE FUTURE	Chair: Scott Oloff, Executive Director, IT Research, Development, and Medicine Enablement, Boehringer Ingelheim
Accelerating drug discovery using quantum computing	Bhushan Bonde, <i>Head of IT Early Solutions Innovation Development, UCB</i>
Quantum computing – a new approach to study human disease patterns?	Ulf Hengstmann, <i>BP Medical Affairs & Pharmacovigilance, Bayer</i>
When is quantum advantage/supremacy, when and how will it happen?	Christopher Savoie, <i>CEO, Zapata Computing</i>
Digital Annealer	Taisuke Iwai, <i>Head of Digital Annealer Unit, Fujitsu</i>



Bhushan Bonde



Ulf Hengstmann



Christopher Savoie



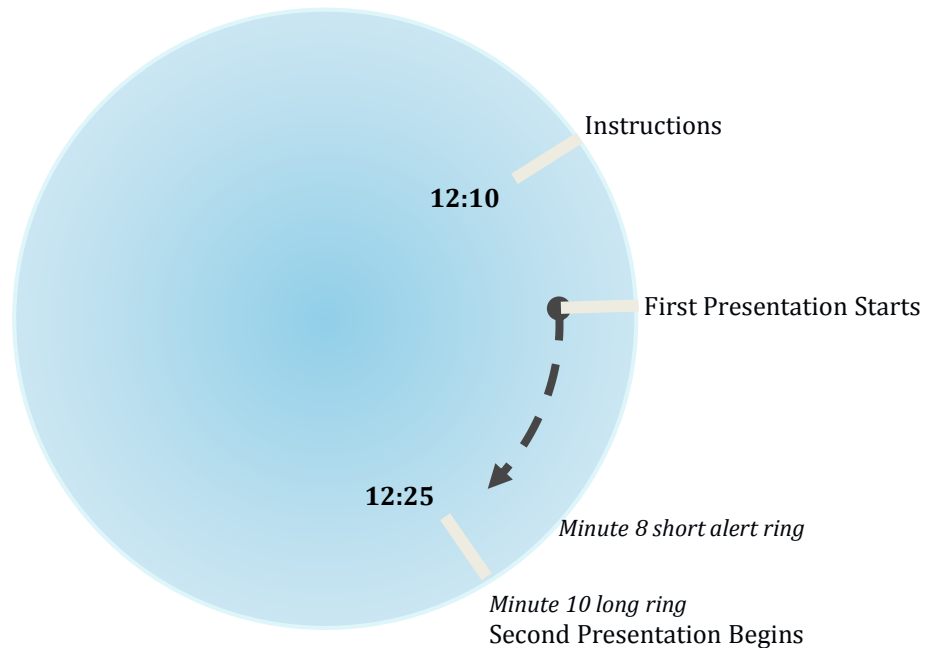
Taisuke Iwai

SESSION III

Posters

Chair: Martin Leach, VP R&D IT, Global Q IT, Enterprise Data Mgmt. & Analytics,
Alexion

POSTER SESSION ROTATIONS



INSTRUCTIONS @12:1pm Session Chair will invite participants to take their seats.

Chair will open the session by introducing the presenters, their posters, along with the session structure and flow.

PRISME Forum staff will ring the bell on each rotation (minute 8 of each presentation and then minute 10 at which time the presentation must end).

Delegates are invited to identify the color of their lanyard and match to rotation called out by staff: "Rotation 1, 2, ...n".

Rotations will involve shift of participants' groups to the next poster on their left.

FIRST SET OF ROTATIONS:

ROTATION 1 – 12:15 pm	ROTATION 2 – 12:25 pm	ROTATION 3 – 12:35 pm
P1 – Orange	P1 – Red	P1 – Yellow
P2 – Blue	P2 – Orange	P2 – Red
P3 – Purple	P3 – Blue	P3 – Orange
P4 – Yellow	P4 – Purple	P4 – Blue
P5 – Red	P5 – Yellow	P5 – Purple

BREAK FOR LUNCH

SECOND SET OF ROTATIONS:

ROTATION 4 – 1:40 pm	ROTATION 5 – 1:50 pm
P1 – Purple	P1 – Blue
P2 – Yellow	P2 – Purple
P3 – Red	P3 – Yellow
P4 – Orange	P4 – Red
P5 – Blue	P5 – Orange

SESSION III: POSTERS

Remaining two 10-minute rotations

SESSION VI

MEETING SUMMARY --- AND AWARDS

Chair: **Andreas Friese**

Head, Early Development IT Business Partnering Pharma, Bayer

Technical Meeting Chair, *PRISME Forum*