2019 EDITORIAL CALENDAR

January	February	March	April & May	June	July & August	September	October	November & December
Tech News Theme								
The Green Lab	**Sequencing**	**Cell Culture**	**Structural Biology / Antibodies**	**CRISPR**	**PCR / Augmented and Virtual Reality**	**Cancer Research**	**Neuroscience**	**Mass Spectrometry / Stem Cells**
Research laboratories have a huge impact on the environment in terms of resource requirements, energy use and waste production. With the public eye increasingly turning toward sustainability, this feature looks at ongoing efforts to make laboratories more "green". *Keywords:* lab equipment; instrumentation; environment; sustainability; waste; recycling	NGS has enabled the faster, easier and more efficient sequencing of whole genomes. The advent of genome databases is driving research into the study of many different diseases. This feature will look into how NGS is advancing research across different disease fields. *Keywords:* sequencing; NGS; next-generation sequencing; genome databases; whole-genome sequencing	Organoids have provided huge insight into developmental biology and disease modeling. This feature delves into the latest advances in the field, and examines what is to come. *Keywords:* cell culture; cell culture media; cell culture conditions; 3D cell culture; stem cells; organoids	Membrane proteins are coded for by approximately 30% of the human genome. They are also critical in many cellular functions, especially cell communication. However, study of them is difficult because of their hydrophobic nature. Our first feature will look at the latest approaches for the structural study of membrane proteins. Antibodies are valuable tools in the life science laboratory; however, the various forms have different advantages and disadvantages, and some have proven controversial. Our second feature examines recent research harnessing antibodies in the biology lab, and the techniques available to ensure data quality. *Keywords:* structural biology; membrane proteins; hydrophobicity; X-ray crystallography; cryo-electron microscopy; antibodies; protein analysis; western blotting; ELISA	Genome editing has been a hot topic for a while. Has it lived up to the hype? This feature looks at the latest developments in CRISPR-based technologies and discusses what's on the horizon. *Keywords:* genome editing; genome engineering; CRISPR	New research advances are increasingly demanding more of PCR. How is it adapting to these new demands, and what do laboratory researchers need to consider when using PCR for new applications? Our first feature investigates. Augmented and virtual reality are proving to be the next big thing in the digital age. This second feature examines the latest technology applying these concepts to the biology lab. *Keywords:* PCR; precision; accuracy; augmented reality; virtual reality; animal models; drug discovery; simulation; drug development	This feature will explore the latest technologies and methods being used to study cancerous cells and tumors. *Keywords:* cancer; oncology; pathology; diagnostics; biomarkers	Alzheimer's disease continues to be a high research priority owing to the lack of cure and the aging population. This feature explores the techniques currently in use for research, detection and management. *Keywords:* Alzheimer's disease; biomarkers; CT; MRI; PET	Mass spectrometry has been used for decades, and continues to be an integral part of analytical research. This feature explores the latest applications that mass spectrometry has been harnessed for. The potential applications of stem cells seem to be never-ending. Not only are they being utilized to produce cellular models for drug discovery but also now as vehicles for drug delivery. Our second feature will explore the role stem cells are playing in drug discovery and development and where this will be headed in the future. *Keywords:* mass spectrometry; bioanalysis; chromatography; stem cells; drug development; drug discovery; cell models; cell culture
READEX Ad Studies								
		READEX Ad Survey		READEX Ad Survey		READEX Ad Survey		READEX Ad Survey
Application Forum Deadline								
Dec 19	Jan 23	Feb 21	Apr 15	May 23	June 27	Aug 14	Sep 12	Nov 7
Print Ad Closing Deadline								
Dec 19	Jan 23	Feb 21	Apr 15	May 23	June 27	Aug 14	Sep 12	Nov 7
Print Ad materials Deadline								
Jan 2	Jan 30	Feb 28	Apr 22	May 30	July 4	Aug 21	Sep 19	Nov 14
Bonus Distribution								
SLAS	AACR	AACR, FASEB	ASMS, ASM		ACS, NIH	NIH, ASHG, SfN	ASHG, SfN, ASCB	ASCB
Online Features								
How to transition from 'early career' to 'established'			**In focus – Sequencing**		**CRISPR Spotlight (June - August)**	**Reproducibility**	**Cancer Research Spotlight (September - November)**	**Virtual Symposium**
Funding is a huge barrier for many early career researchers looking to make the next step in their career, but it's not the only challenge. This feature sees researchers who have recently made this step discuss their top tips.			In this feature we will explore novel NGS methods, techniques and technologies and their application across multiple disciplines and disease fields. We will also cover the key challenges remaining with NGS, its future and role in precision medicine.		CRISPR systems can edit DNA at precise locations and have huge potential in everything from fighting disease to increasing crop yields. However, CRISPR is not currently perfect and does not come without its concerns. As part of this spotlight we will explore the latest developments and challenges in using CRISPR, what is on the horizon for CRISPR and alternative applications in diagnostics and modeling.	The reproducibility crisis is resulting in a lot of discussion in various scientific fields. This feature explores the latest technologies, methods and projects looking to solve this problem, that are of relevance to the biological laboratory.	The complete understanding of different types of cancer cells and tumors remains a significant challenge and top priority for those in research and industry who are trying to find new methods to manage and prevent cancers. As part of this spotlight, we will explore the latest technologies, techniques and methods utilized to study cancer cells and tumors as well as groundbreaking new diagnostics and therapies.	A free 1-day online symposium delivering key updates in personalized medicine.