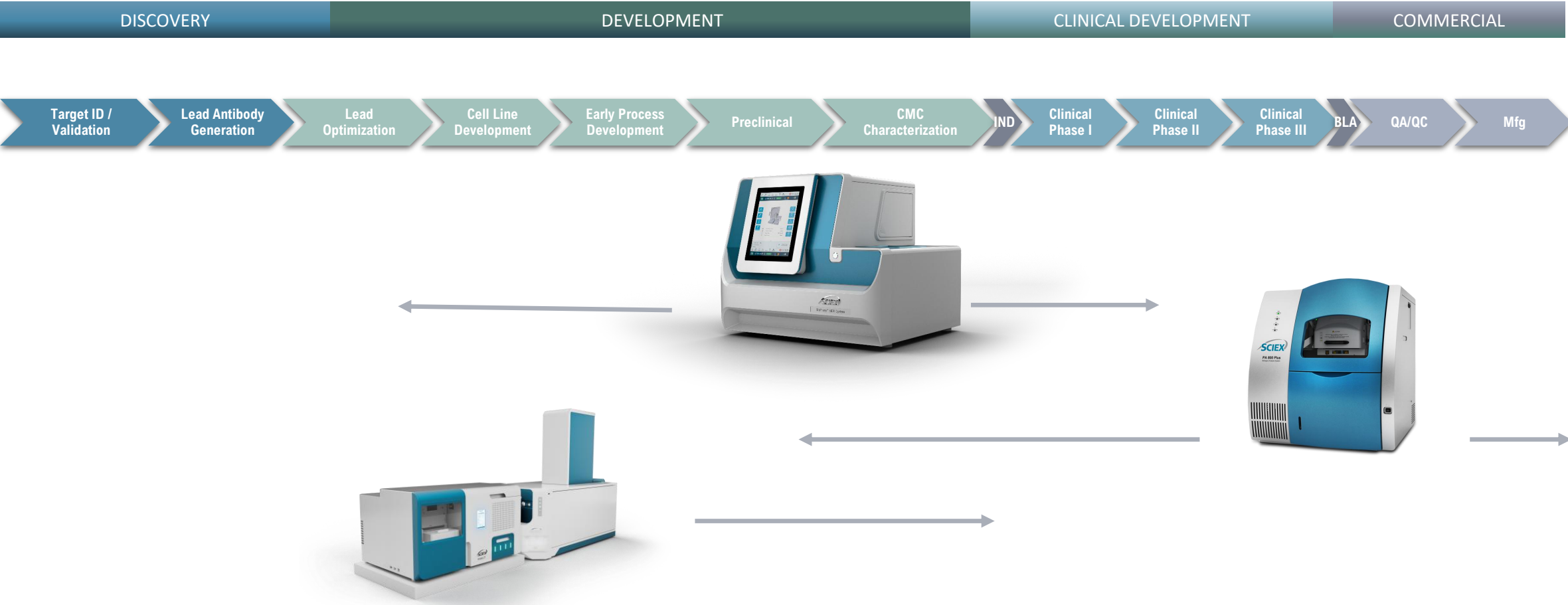


SCIEX at CE PHARM 2025

Tyler Davis PhD | Senior Product Manager

01

Kit based analytical solutions across the drug development pipeline



Establish CE methods that meet today's complexity and tomorrow's pressure.

Same foundation, more muscle

- **Reduce the noise** – see low abundant peaks more clearly with a clean background
- **Accelerate your data analysis** – stable baseline means faster, more confident peak integration
- **Get to the data quickly** – simplify sample preparation and eliminate the need for complex protein-dye conjugation
- **Increased sensitivity** – Achieve up to 10x increase in sensitivity for CE-SDS and cIEF assays

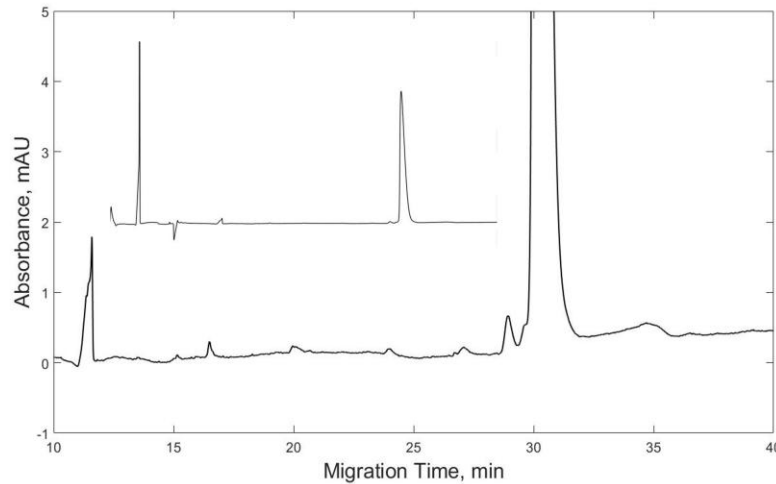


Introducing the BioPhase 8800 system with native fluorescence

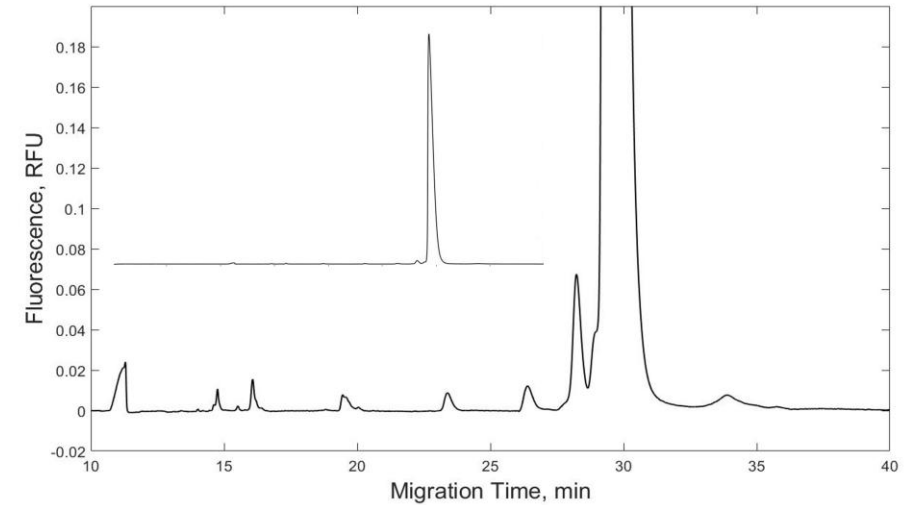
Elevate gold standard assays in protein and AAV drug development – CE-SDS

CE-SDS

Traditional UV 220 nm detection



NFD 350 nm detection



A stable baseline means faster , more confident peak integration

Learn more about the BioPhase 8800 system with native fluorescence

Monday Oral presentation:

Advancements of capillary gel electrophoresis through the use of native fluorescence detection

Jessica Taylor, Teva Pharmaceuticals

Monday Lunch technical seminar:

Label-free native fluorescence for high-sensitivity protein analysis using a multi-capillary electrophoresis system

Brian Wei – Sanofi

BioPhase 8800 system: Advancing capillary electrophoresis with native fluorescence detection

Fang Wang – SCIEX

Posters: Tuesday Sept 9th 11:45-12:45

Poster 67: Advancing Purity Analysis of Protein Therapeutics: Evaluation of the Next-Generation BioPhase 8800 System with Native Fluorescence Detection

Douglas Johnson – Astra Zeneca

Poster 49: Further Exploration of Native Fluorescence Detection in Capillary Electrophoresis

Matthew Myers – Teva Pharmaceuticals

Poster 44: Enhancing Protein Purity Analysis using CE-SDS with Native Fluorescence Detection on the BioPhase 8800 System

Ting-ting Li - SCIEX

Poster 47: Advancing Protein Charge Heterogeneity Analysis with Native Fluorescence Detection on the BioPhase 8800 System

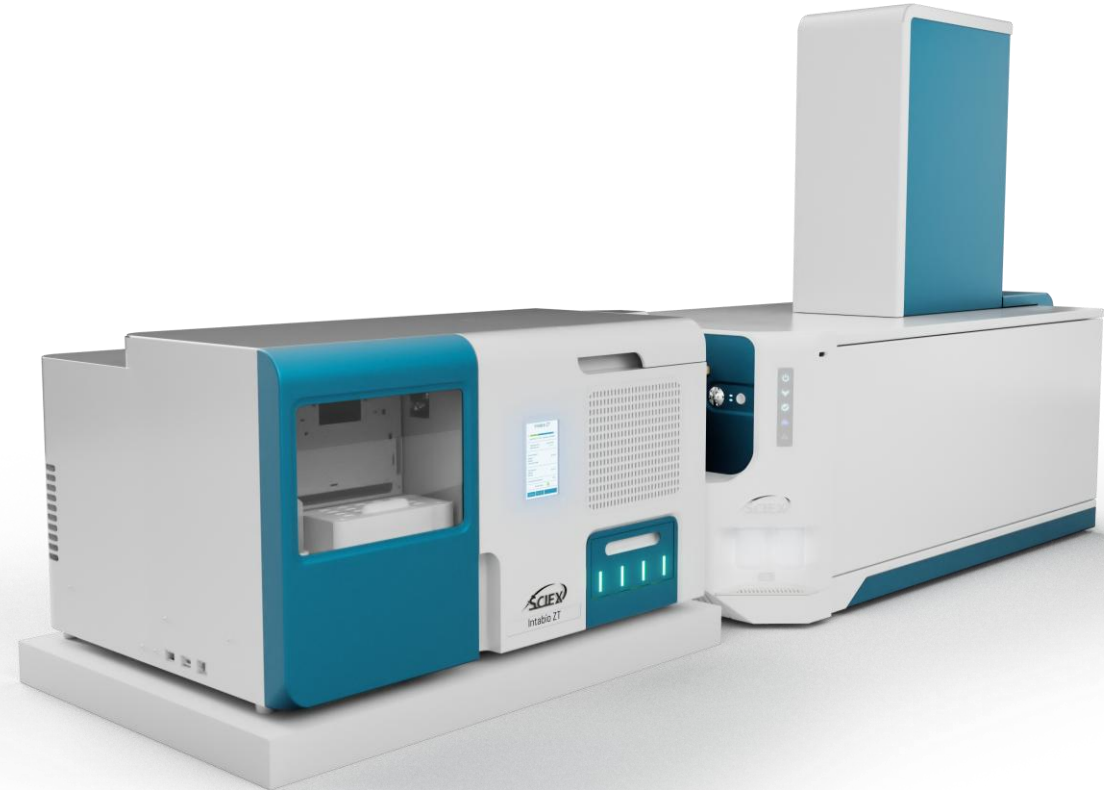
Jane Luo - SCIEX



Intabio ZT system

Fully integrated icIEF-UV/MS platform

- Comprehensive proteoform identification in minutes
- Enable key analytical functions using microfluidic chip-based technology
 - Separation of charge variants with imaged capillary isoelectric focusing (icIEF)
 - Quantitation with real-time UV detection
 - Electrospray ionization for further mass spectrometry identification



Confident charge variant identification in under an hour

PA800 Plus system

Unlock the future with multiple characterization assays on one platform

- Gain valuable insights into quality attributes of biotherapeutics
- Adapt to the evolving drug development pipeline with kit-based assays
- Develop and lock down methods for QC

Posters: Tuesday September 9th

Poster 45: Assessing Method Transfer and Equivalency between the PA 800 Plus system and BioPhase 8800 capillary electrophoresis system

Marcia Santos - SCIEX

Poster 46: Characterization workflows for CRISPR-Cas9 gene editing products, plasmids, and mRNA drugs on a single CE platform

Jane Luo - SCIEX



Kit-based workflows that support core industry assays

Meet the team at CE Pharm



Visit us at Booth 8



SCIEX-related materials in CE Pharm.

Monday, Sep 8th

10:00-11:15 Monday, 8 September, 2025, Salon A-C

Session I - Application and Advancements in CE Innovations

Advancement of Capillary Gel Electrophoresis Through the Use of Native Fluorescence Detection

Jessica Taylor, *Teva Pharmaceutical Industries Ltd.*

11:45-12:45 Monday, 8 September, 2025, Foyer A-C

Lunch and Learn Technical Seminar Presented by SCIEX

Presentation type LS - Livestreamed

Session Speakers:

Advancing Capillary Electrophoresis Sensitivity and Repeatability with Native Fluorescence Detection on the BioPhase 8800 System

Fang Wang, *SCIEX*

Label-Free Native Fluorescence for High-Sensitivity Protein Analysis using a Multi-Capillary Electrophoresis System

Brian Wei, Sanofi

Tuesday and Wednesday, Sep 9-10th

11:45-12:45 Tuesday, 9 September, 2025, Foyer A-C

44 11:45-12:45
Enhancing protein purity analysis using capillary electrophoresis-sodium dodecyl sulfate (CE-SDS) with native fluorescence detection (NFD) on the BioPhase 8800 system
[Tingting Li](#)¹, Jane Luo¹, Marcia Santos¹, Sahana Mollah²
¹ SCIEX, Brea, California, USA. ² SCIEX, Redwood city, California, USA

45 11:45-12:45
Assessing method transfer and equivalency between the PA 800 Plus system and the BioPhase 8800 system
Marcia Santos¹, Zoe Zhang², [Sahana Mollah](#)²
¹ SCIEX, Brea, California, USA. ² SCIEX, Redwood city, California, USA

46 11:45-12:45
Characterization workflows for CRISPR-Cas9 gene editing products, plasmids, and mRNA drugs on a single capillary electrophoresis (CE) platform
[Jane Luo](#)¹, Tingting Li¹, Kerstin Pohl², Sahana Mollah³
¹ SCIEX, Brea, California, USA. ² SCIEX, Marlborough, Massachusetts, USA. ³ SCIEX, Redwood City, California, USA

47 11:45-12:45
Advancing biopharmaceutical molecule charge heterogeneity analysis with native fluorescence detection on a multi-capillary electrophoresis platform
[Jane Luo](#)¹, Peter Holper², Marcia Santos¹, Tingting Li¹, Fang Wang², Kerstin Pohl³, Sahana Mollah²
¹ SCIEX, Brea, California, USA. ² SCIEX, Redwood City, California, USA. ³ SCIEX, Marlborough, Massachusetts, USA

67 11:45-12:45
Advancing Purity Analysis of Protein Therapeutics: Evaluation of the Next-Generation BioPhase 8800 System with Native Fluorescence Detection
Vaidehi Bhagat, Maroly Gonzalez-Perez, [Douglas Johnson](#)
AstraZeneca, Gaithersburg, USA

49 10:00-11:00
Further Exploration of Native Fluorescence Detection in Capillary Electrophoresis
[Matthew Myers](#), Jessica Taylor
Teva Pharmaceuticals, West Chester, Pennsylvania, USA



Thank you