

## Join the Revolution at SLAS 2018: *The Power of Innovation*

Covaris will be presenting a **new transformative sample preparation technology** for advanced genomic and proteomic applications.

We are excited to demonstrate how our technology can streamline workflows for **more efficient sample processing providing the highest quality results.**

To join the AFA Revolution, click [here](#).

Visit us at:  
SLAS2018  
February 3rd to 7th, 2018  
San Diego, CA USA  
Booth 432



### Did you know **Covaris** has Application Support?



If you need assistance, our staff of Application Scientists, Engineers, and Technical Specialists are committed to providing you with prompt and professional support.

- [Frequently Asked Questions](#)
- [Protocols](#)

For Application Support in the US or Europe, contact:  
[ApplicationSupport@covaris.com](mailto:ApplicationSupport@covaris.com)

For service and support for your Covaris instruments and consumables in the US or Europe, contact: [TechSupport@covaris.com](mailto:TechSupport@covaris.com).

## New Application Notes



### Optimized protocol for robust chromatin shearing and immunoprecipitation of human pancreatic islets using the Covaris® Focused-ultrasonicator

**Authors:** Irene Miguel-Escalada<sup>1</sup>, Xavier Garcia<sup>1</sup>, Jorge Ferrer<sup>1,2</sup>

**Affiliation:** <sup>1</sup> Genomic Programming of Beta-cells Laboratory, Institut d'Investigacions August PiSunyer (IDIBAPS), 08036 Barcelona, Spain.

<sup>2</sup> Department of Medicine, Imperial College London, London W12 0NN, United Kingdom.

To learn how to process human islet cells for ChIP-Seq and ChIP-qPCR, check out the latest [Application Note](#) developed using Covaris focused acoustics.



### Combining Covaris 96 oneTUBE-10 AFA Plate with Swift Biosciences Accel-NGS 2S Kit for an Optimized Single Tube Workflow for Robust, Low Input NGS Library Preparation

**Authors:** Guillaume Durin<sup>1</sup>, Elizabeth Weiss<sup>1</sup>, Jeremy Terry<sup>1</sup>, Julie Donaldson<sup>1</sup>, Ulrich Thomann<sup>1</sup>, Eugenio Daviso<sup>1</sup>, Jayne Simon<sup>1</sup>, Gianna Garza<sup>1</sup>, Justin Lenhart<sup>2</sup>, Sukhinder Sandhu<sup>2</sup>, Laurie Kurihara<sup>2</sup>, and Jim Laugharn<sup>1</sup>

**Affiliation:** <sup>1</sup> Covaris Inc., Woburn, MA, USA and <sup>2</sup> Swift Biosciences, Ann Arbor, MI, USA

The combination of AFA in Covaris' oneTUBE-10 with Swift Biosciences' Accel-NGS 2S enables DNA shearing, end repair, and adapter ligation in the same vessel. [Click here to read the Case Study.](#)



### Optimized Covaris truXTRAC® FFPE RNA Protocol for Isolating RNA from Laser-Capture Microdissected (LCM) FFPE Tissue for Next Generation Sequencing

Enni Markkanen – Institute of Veterinary Pharmacology and Toxicology, Vetsuisse Faculty, University of Zürich  
Rebecca Callard – Covaris, Inc., Woburn, USA

Check out the latest [Application Note](#) written by Markkanen *et. al* from the University of Zurich to learn how Covaris AFA improves RNA isolation from Laser-Capture Microdissected (LCM) FFPE tissue.

## Noteworthy Publications

[Analytical Validation of a Next-Generation Sequencing Assay to Monitor Immune Responses in Solid Tumors](#)

Conroy JM, et al. Journal of Molecular Diagnostics. 2017 Oct 20

Clinical Diagnostics Advantage: [Covaris truXTRAC FFPE](#) extraction kits used by OmniSeq for both semiquantitative RNA-seq and DNA-seq.

[GCC2-ALK as a targetable fusion in lung adenocarcinoma and its enduring clinical responses to ALK inhibitors](#)

Jiang, J, et al. Lung Cancer, Volume 115. January 2018, pp 5-11.

Learn how Geneseq and University of Toronto enabled the detection of a rare fusion of ALK in advanced lung adenocarcinoma by extracting DNA from FFPE samples using the [truXTRAC FFPE](#) and the Covaris [M220 Focused-ultrasonicator](#).

## Upcoming Events

- January 24th to 26th, 2018 - [Assises De Genetique Humaine Et Medicale](#), Nantes, France, Booth #29
- January 30th to 31st, 2018 - [Festival of Genomics](#), London, UK, Booth 6
- February 3rd to 7th, 2018 - [SLAS 2018](#), San Diego, CA, Booth 432
- February 11th to 16th, 2018 - [Molecular Medicine Tri-Conference 2018](#), San Francisco, CA, Booth 319
- February 12th to 15th, 2018 - [AGBT 2018 General Meeting](#), Orlando, FL, Gilchrist Suite
- April 14th to 18th, 2018 - [AACR 2018](#), Chicago, IL, Booth 3017
- April 22nd to 25th, 2018 - [ABRF 2018](#), Myrtle Beach, SC, Booth 204

[More events...](#)

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