

# DCCC ctDNA Researchcenter Annual Meeting

Time: 22 November 2021 at 9.00 -23 November 2021 at 15.00/16.30  
Place: Comwell H.C.Andersen Odense, Claus Bergs Gade 7, 5000 Odense

## Day 1

09.00 Arrival. Coffee and bread  
10.10 Welcome and status from center management

### Morning session: Clinical application

Chairman: Lars Dyrskjöt

10.25 Circulating tumor DNA for early detection of recurrence and risk-stratification in melanoma  
*Magnus Petur Bjarnason Obinah*

10.45 Evaluation of TriMeth for early detection of colorectal cancer in asymptomatic individuals  
*Sarah Østrup Jensen*

11.05 Early detection of treatment failure by circulating tumor DNA in advanced non-small cell lung cancer  
*Malene Frank*

11.25 Tumor-agnostic circulating tumor DNA analysis for improved recurrence surveillance after resection of colorectal liver metastases: a prospective cohort study  
*Claus Lindbjerg Andersen*

**11:45 KEY NOTE: Title TBA (virtual talk)**  
Prof. Thomas Powles, BARTS HEALTH NHS TRUST

12:30 Lunch

### Noon Session: ctDNA detection methods

Chairman: Morten Mau-Sørensen

13.15 Sensitive detection of ctDNA using whole genome sequencing  
*Amanda Frydendahl Boll Johansen and Iver Nordentoft*

13.30 Error characterization and statistical modelling improves circulating tumor DNA detection by droplet digital PCR  
*Tenna Henriksen*

13.45 ctMETHfinder, a tool for identification of ctDNA methylation markers from solid tissue methylation datasets.  
*Jesper Bramsen*

14.00 Ultra-deep plasma sequencing of colorectal cancer patients  
*Mads Heilskov Rasmussen*

14.15 A UMI based deep targeted sequencing approach for tumor-guided ctDNA detection in plasma and urine samples from patients with bladder cancer  
*Emil Christensen*

14:30 Coffee/cake

### Afternoon session: ctDNA focused projects

Chairman Claus Lindbjerg Andersen

**14:50 KEY NOTE: Monitoring of Minimal Residual Disease using ctDNA: A lung TRACERx experience.**  
*Dr. Chris Abbosh, Principal Clinical Fellow - AstraZeneca clinical fellowship, UCL*

**15:35 Poster flash talks**

1. Novel DNA methylation markers for sensitive detection of ctDNA in plasma from patients with upper gastrointestinal cancers, *Cecilie Riis Iden*
2. Results from the OPTIPAL II study, *Louise Callesen*
3. Low-pass WGS and deep targeted sequencing of plasma derived cfDNA for outcome prediction in mCRPC patients treated with Enzalutamide or Abiraterone in first-line, *Maibritt Nørgaard*

4. Implementation of cfMeDIP-seq for investigation of methylated ctDNA in metastatic castration resistant prostate cancer, *Karoline Torstensen*
5. SFRP1 Promoter Hypermethylation in Plasma as a Prognostic Marker for Survival in Patients with Stage IV Pancreatic Adenocarcinoma, *Benjamin Stubbe*

16:20-18:00 Poster session and an opportunity to discuss projects (posterboards are 2.5mx1m (hwx))  
beer/wine/soda

18:30-21:00 Dinner

## Day 2

08:10 Welcome back

### Morning session: Activities, plans, and support from the National Infrastructures

Chairman Karen Lise Garm Spindler

08:15 Best practice for liquid biopsy collection and pre-analytical processing (NI1)  
*Rikke Fredslund Andersen and Estrid Høgdall*

09:00 Methods for ctDNA detection (NI2)  
*Niels Pallisgaard and Mads Heilskov Rasmussen*

09:45 Break

10.30 Bioinformatic procedures and algorithms for analysis and calling of ctDNA (NI3)  
*Lasse Maretty and Filipe Garrett Vieira*

11:00 Health Economy in ctDNA projects (NI4)  
*Liza Sopina*

11:45 Lunch

### Noon session: ctDNA based intervention studies

Chairman Niels Pallisgaard

12.45 IMPROVE-IT2 - implementing noninvasive circulating tumor DNA analysis to optimize the operative and postoperative treatment for patients with colorectal cancer – intervention trial 2  
*Kåre Gotschalck*

13.05 TOMBOLA - Treatment Of Metastatic Bladder cancer at the time Of biochemical reLApse following radical cystectomy  
*Karin Birkenkamp-Demtröder*

13.25 NOAC-9 - Phase III Randomized Nordic Anal Cancer Group Study on Circulating Tumor DNA guided Follow-Up  
*Karen-Lise Garm Spindler*

13.45 CIRCPAC – status on a national study for implementation of ctDNA in patients with localized pancreas cancer  
*Sidsel Christy Lindgaard*

14:00 Closing remarks

14:30 Coffee/Cake

15:00 - 16:30 Meeting in the steering committee