Archaeological Starch Research at 25
Preliminary program

Monday 19th August
10:00-10:30 Registration and Coffee
10:30-10:45 Practicalities session by Lorentz Staff
10:45-11:15 Welcome and Introduction by Organizers
11:15-12:00 M. Collins – Unearthing the past: advances in the detection and survival analysis of ancient organic residues
12:00-13:30 Lunch
13:30-14:00 Pitch for society
14:00-14:45 Flash presentations (5 min each)
14:45-15:30 Coffee and look at posters
15:30-16:15 Breakout discussions: First thoughts on what a starch society would look like
16:15-17:00 Return to plenary for results of breakout discussion
17:00-18:00 Wine and cheese reception

Tuesday 20th August
09:00-10:00 Discussion on ‘Terminology and Nomenclature: how to describe starch shapes’ (moderated by A. Henry and L. Perry)
10:00-10:30 Coffee
10:30-12:00 Five plenary talks (15 min each with questions) focusing on ‘Reference collections and identification’ and ‘Contamination and control sampling’
12:00-14:00 Lunch
14:00-15:30 Breakout rooms: ‘Building and curating reference collections’, ‘Imaging and identifying taxa’ and ‘Identifying and preventing contamination’
15:30-16:15 Coffee and look at posters
16:15-17:00 Recap of Monday discussion on starch society: what do we want, where do we go?

Wednesday 21st August
09:00-10:00 Three plenary talks (15 min each with questions) focusing on ‘Field and laboratory techniques’
10:00-10:30 Coffee
10:30-12:00 Four plenary talks (15 min each with questions) focusing on ‘Taphonomy: food processing’
12:00-14:00 Lunch
14:00-15:30 Breakout rooms: ‘Sampling and extraction techniques’, ‘Analysis of sediments and other objects’ and ‘Starch taphonomy and contexts of survival’
15:30-16:00 Coffee
16:00-17:00 Check-in with the entire group: Progress so far, what items still need addressing?
17:30 Dinner in Katwijk
Thursday 22nd August

09:00-10:45 Six plenary talks (15 min each with questions) focusing on ‘Artifacts’ and 'Dental calculus'
10:45-11:15 Coffee
11:15-12:00 Discussion of issues raised Wednesday afternoon and recap by M. Collins
12:00-14:00 Lunch
14:00-15:30 Breakout rooms: ‘Analysis of groundstone and flaked materials’, ‘Analysis of pottery’ and ‘Analysis of dental calculus’
15:30-16:00 Coffee
16:00-17:00 Discussion on ‘Data presentation and visualization’ (moderated by J.J. García-Granero and J.J. Wang)

Friday 23rd August

09:00-09:30 Reflection on breakouts / collaborative editing of book
09:30-10:00 Develop road map for publication, inclusion of posters/podium talks
10:00-10:30 Coffee
10:30-11:30 Small breakouts (max 5 people) - what are you willing to contribute to the starch society? What do you see as the next steps?
11:30-12:00 Convene in the big room, each group presents their results. Develop road map for starch society
12:00-12:30 Final Reflection and closing remarks
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Plenary talks and Breakout rooms

Tuesday 20th August

Plenary talks: Reference collections and identification
10:30-10:45  L. Louderback et al. – Starch granule evidence for the early stages of domestication: the case of Solanum jamesii in the American Southwest
10:45-11:00  S. Ricket et al. – A morphometric analysis of starch granules from two culturally significant Dioscorea species from Tonga
11:00-11:15  Z. Li et al. – Exploiting diverse Fagaceae nuts at Guye site, South China from 5900 to 5000 BP

Plenary talks: Contamination and control sampling
11:15-11:30  W. Ge – Investigation on contamination of wheat starch caused by modern mill industry: as a caution
11:30-11:45  S. Wilks et al. – Sampling protocols that minimize environmental contamination in ancient starch assemblages

Breakout rooms
14:00-15:30  Building and curating reference collections (moderated by W. Li and A. Henry)
Imaging and Identifying taxa (moderated by L. Louderback and L. Liu)
Identifying and preventing contamination (moderated by J.J. García-Granero and A. Crowther)

Wednesday 21st August

Plenary talks: Field and laboratory methods
09:00-09:15  S. Archila et al. – Starch analysis in stone artefacts and dental calculus of early and mid-Holocene hunter-gatherers groups at the archaeological site of Checua, Colombia
09:15-09:30  M.A. Melton – Circumventing fatal attraction: experiments in liberating starch granules from clay-rich sediments
09:30-09:45  C.G. Santiago Marrero – Integrating starch grains and spatial analyses: a methodological approach to identifying plant processing activity areas

Plenary talks: Taphonomy: food processing
10:30-10:45  P. Babot – Revisiting modified starch from a taphonomic perspective
10:45-11:00  L. Liu – Challenges in identifying starch granules affected by alcoholic fermentation
11:00-11:15  M.G. Musaubach – Roasted, ground, boiled or fermented? Scopes and limitations of reference collections of culinary preparation
11:15-11:30  H.U. Kingrey – Identifying the effects of fermentation on maize and wheat starch grain morphology

**Breakout rooms**
14:00-15:30  Sampling and extraction techniques (moderated by C. Dozier and L. Louderback)
Analysis of sediments and other objects (moderated by A. Henry)
Starch taphonomy and contexts of survival (moderated by A. Crowther and J.J. García-Granero)

**Thursday 22nd August**

**Plenary talks: Artifacts**
09:00-09:15  A.T. Lawlor – Starch residue and perishable artifacts: a method for extracting starch granules from artifacts made from plant material
09:15-09:30  S. Florindi et al. – Starch counts: quantitative evaluations in starch grain analysis

**Plenary talks: Dental calculus**
09:30-09:45  J. J. Wang – A Brief History of Dental Calculus Analysis in Archaeology
09:45-10:00  R. Power et al. – Are dental calculus starch assemblages representative of diet? An archaeological perspective
10:00-10:15  C. Boyadjian – Collateral effects of different recovery methods of starch grains from dental calculus
10:15-10:30  Y. Chinique de Armas – The role of Zea mays in the diet of precolonial Antillean societies: integration of starch analysis and stable isotope data

**Breakout rooms**
14:00-15:30  Analysis of groundstone and flaked materials (moderated by J.J. García-Granero, W. Li, and L. Louderback)
Analysis of pottery (moderated by A. Crowther and L. Liu)
Analysis of dental calculus (moderated by J.J. Wang, R. Power, and A. Henry)