INTERNATIONAL CONFERENCE
ON
“EMERGING ISSUES IN FOOD SAFETY”
November 14-16, 2011

National Institute of Food Science & Technology,
University of Agriculture, Faisalabad, Pakistan
INTERNATIONAL CONFERENCE
ON
"EMERGING ISSUES IN FOOD SAFETY"
November 14-16, 2011
PROGRAMME
Organized By:
National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan
PROGRAMME
November 14, 2011 (Monday)

INAUGURAL SESSION
Venue: Iqbal Auditorium

09:00 am  Registration
10:30 am  Arrival of the Chief Guest
10:35 am  Recitation from the Holy Quran
10:40 am  Naat-e-Rasool-e-Maqbool

10:45 am  Welcome address by Prof. Dr. Iqrar Ahmad Khan (S.I), Vice Chancellor, University of Agriculture, Faisalabad

11:00 am  Keynote address by Prof. Dr. Faqir Muhammad Anjum (T.I), President, Pakistan Society of Food Scientists and Technologists/ Director General, National Institute of Food Science & Technology, University of Agriculture, Faisalabad

11:15 am  Inaugural address by the Chief Guest
11:30 am  Vote of Thanks
11:45 am  Inauguration of the 2nd Food & Nutrition Expo 2011
12:30 pm  Lunch and Prayer (Faculty of Agriculture lawn)
01:30 pm  Technical session
**Technical Session-I**

**Venue:** Iqbal Auditorium

**Chairman:**
*Prof. Dr. Gleyn Edward Bladsoe, University of Idaho, USA.*

**Co-Chairman:**
*Prof. Dr. Saghir A. Sheikh, Institute of Food Science & Technology, Sindh Agriculture University, Tando Jam, Pakistan.*

**01:30 pm** Safety status of commonly consumed foods in Pakistan. **Dr. Saeed Akhtar Sheikh,** University College of Agriculture, Bahauddin Zakariya University, Multan, Pakistan.

**01:45 pm** Food security in Pakistan. **Mr. Sahib Haq,** Head of Vulnerability Analysis and Mapping (VAM) Unit, WFP, Islamabad, Pakistan.

**02:00 pm** Dilemma of ignorance: food poisoning in Pakistan. **Dr. Syed Ibrar Hussain,** CEO Specialities, Karachi, Pakistan.

**02:15 pm** Prevalence and antibiotic resistance of *Campylobacter* species, *Salmonella* serovars and *L. monocytogenes* isolated from ducks in Penang, Malaysia. **Prof. Dr. Gulam Rusul Rahmat Ali,** Food Technology Division, School of Industrial Technology, Universiti Sains Malaysia, Malaysia.

**02:30 pm** Safety and health parameters of the genetically modified foods: developing countries perspective. **Mr. Hamid Ahmad,** Biotechnology and Food Research Centre, Applied Chemistry Research Centre, PCSIR Laboratories Complex, Lahore, Pakistan.

**02:45 pm** Biosafety of genetically modified foods in Pakistan. **Dr. Zafar M. Khalid,** National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan.

**03:00 pm** Food safety in the aftermath of natural disasters: reducing foodborne disease risk through implementation of food safety standards. **Miss Sana Mujahid,** Graduate Student, Food Safety Laboratory, Dept. of Food Science, Cornell University Ithaca-New York, USA.

**03:15 pm** Safe bioactive peptides in crops for promoting human health: role of biotechnology. **Dr. G. Sarwar Gilani,** Scientific Advisor, FAO, Ottawa, Canada.
03:30 pm Grain traceability and food safety: implementing traceability system in the bulk grain supply chain. **Dr. Aamir Shehzad,** National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan.

03:45 pm Decontamination of inoculated bread fungi by UV, solar, microwave, heat and laser irradiation. **Mr. Munawar Iqbal,** Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad, Pakistan.

04:00 pm Food safety training efforts of the United States in Pakistan. **Dr. Bob Haggerty,** Director International Programs, College of Agriculture, University of Idaho, USA.

04:15 pm Tea

04:30 pm Business Session (Members PSFST only)

06:00 pm Variety Show

08:00 pm Dinner

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**November 15, 2011 (Tuesday)**

**Technical Session-IIA**

**Venue:** New Senate Hall

**Chairman:**
**Prof. Dr. Riaz Hussain Dab,** Principal Punjab Medical College, Faisalabad, Pakistan

**Co-Chairman:**
**Prof. Dr. Zahid Yasin Hashime,** Head of Medicine Department, Punjab Medical College, Faisalabad, Pakistan

08:30 am Endocrine disruptors in food chain and human health. **Dr. Kazim R. Chohan,** Director, Andrology Laboratory, State University of New York, Syracuse NY, USA.

08:45 am Dietary recommendations in patients with chronic liver disease, **Prof. Dr. Zahid Yasin Hashime,** Head of Medicine Department, Punjab Medical College, Faisalabad, Pakistan.

09:00 am Dengue fever: role of food in its management, **Dr. Maqsood Ahmad,** Assistant Professor, Medicine Department, Punjab Medical College, Faisalabad, Pakistan.
09:15 am  Diet and renal lithiasis in Faisalabad. Dr. Muhammad Jamil, Department of Biochemistry, Punjab Medical College, Faisalabad, Pakistan.

09:30 am  Sweeteners and diabetes mellitus. Dr. Samina Javed, Department of Biochemistry, Punjab Medical College, Faisalabad, Pakistan.

09:45 am  Maternal serum zinc in relation to outcome of pregnancy. Prof. Dr. Muhammad Ashraf, Head of Department of Biochemistry, Punjab Medical College, Faisalabad, Pakistan.

10:00 am  Healthcare and food institutes collaborations: how it is related with food safety. Dr. Musarrat ul Hasnain, Director/Head of Department of Medical Education, Punjab Medical College, Faisalabad, Pakistan.

10:15 am  Consumer Knowledge, Attitude and Practice (KAP), study regarding fortified wheat flour in urban areas of Pakistan. Mr. Abdul Wahid Khan, The Micronutrient Initiative, Islamabad, Pakistan.

10:30 am  Tea

Technical Session-IIB
Venue: Iqbal Auditorium

Chairman:
Dr. Winai Dahlan, Director, The Halal Science Center, Chulalongkorn University, Bangkok, Thailand.

Co-Chairman:
Dr. Mujahid Masood, Islamic Food and Nutrition Council of America, Chicago, USA.

08:30 am  Applications of bioanalytical spectroscopy to food science. Prof. Dr. Gleyn Edward Bladsoe, University of Idaho, USA.

08:45 am  Characterization of antilisterial activity of model microbial community in a cheese microcosm. Dr. Muhammad Imran, Department of Microbiology, Faculty of Biological Sciences, Quaid-e-Azam University, Islamabad, Pakistan.

09:00 am  Estimation of air pollutants and their dispersion modeling using industrial source complex Gaussian model. Mr. Mabroor Hassan, Department of Environmental Science, Islamic International University Islamabad, Pakistan.
09:15 am  Practical applications of Lean Six Sigma tools towards excellence in food safety. **Mr. Aizad Ahmad,** Instructor, Canadian College of Business & Haadi Institute, Toronto, Canada.

09:30 am  Ensuring food safety through assessment of HACCP techniques in the food catering establishments of teaching hospitals. **Dr. Aurang Zeb,** Food Science Division, Nuclear Institute for Food & Agriculture (NIFA) Tarnab, Peshawar, Pakistan.

09:45 am  Safety issues in processed cheese. **Dr. Mian Anjum Murtaza,** Institute of Food Science and Nutrition, University of Sargodha, Sargodha, Pakistan.

10:00 am  Use of thermal analysis in detection of food adulterants. **Dr. Shahzad Hussain,** Department of Food Science and Nutrition, College of Food and Agricultural Sciences, King Saud University, Riyadh, Saudi Arabia.

10:15 am  Lipid nanoparticles as vitamin matrix carriers in food systems: On the role of fat crystallization and polymorphism. **Mr. Rizwan Shukat,** PhD Scholar, Laboratoire de Biophysique des Materiaux Alimentaires, UMR-GenIAL, AgroParisTech, Massy, France.

10:30 am  Tea

**Technical Session-III A**

**Venue: New Senate Hall**

**Chairman:**
*Justice (Retd.) Khalil-ur-Rehman, Lahore, Pakistan*

**Co-Chairman:**
*Dr. Hamid Jalil, CEO, Punjab Agri Marketing Company (PAMCO), Lahore, Pakistan*

10:45 am  Implementation of Halal-HACCP (HAL-Q) System for assuring physical and spiritual safety of food products in Southern bordered provinces of Thailand. **Dr. Winai Dahlan,** Director, The Halal Science Center, Chulalongkorn University, Bangkok, Thailand.

11:15 am  Combined laboratory techniques for screening of haram hazard adulterated in food products available in Thai-Muslim market. **Dr. Tipayanate Ariyapatipan,** The Halal Science Center, Chulalongkorn University, Bangkok, Thailand.
11:35 am Halal - the emerging international food safety and quality standards: similarities between Halal and HACCP. **Dr. Mian Nadeem Riaz**, Texas A & M University, College Station, TX 77843, USA.

11:55 am Haram foods and modern science. **Prof. Dr. Javaid Aziz Awan**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad-Pakistan.

12:15 pm Guidelines for the preparation of halal foods. **Prof. Dr. Faqir Muhammad Anjum**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

12:30 pm Lunch and Prayer

**Technical Session-IIIB**

**Venue: Iqbal Auditorium**

**Chairman:**
**Prof. Dr. Muhammad Nawaz**, Vice-Chancellor, University of Veterinary and Animal Sciences, Lahore.

**Co-Chairman:**
**Prof. Dr. Ahmed Hassan El-Ghorab**, Head of Flavors and Aroma Department, National Research Center, Dokki, Cairo, Egypt.

10:45 am Functional and nutraceutical foods: prospects for developing economies. **Prof. Dr. Masood Sadiq Butt**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

11:00 am Functional foods development to combat metabolic syndrome. **Dr. Muhammad Issa Khan**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

11:15 am Spirulina as functional food. **Dr. Mian Kamran Sharif**. National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

11:30 am Garlic: diet base therapy. **Hafiz Ansar Rasul Suleria**, National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan.

11:45 am Whey: a functional and nutraceutical food. **Dr. Aysha Sameen**, National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan.

12:00 pm Lycopene and its health promoting perspective. **Miss Ambreen Naz**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.
12:15 pm  Spices mix induces biofilm mode of growth in E. coli”, Mrs. Seema Ismat Khan, Principal Scientific Officer, of PCSIR Laboratories Complex, Karachi, Pakistan.

12:30 pm  Lunch and Prayer
(Courtesy: National Foods Limited, Karachi, Pakistan)

Technical Session-IVA
Venue: New Senate Hall

Chairman:
Prof. Dr. Zakir Hussain, Vice-Chancellor, GC University, Faisalabad, Pakistan.

Co-Chairman:
Dr. Kazim Raza Chohan, Director, Andrology Laboratory, State University of New York, Upstate Medical University, USA.

01:30 pm  Electrolyzed oxidized water as decontaminating agent for foods. Dr. Muhammad Imran Al-Haq, Ibreez Inc., Mississauga ON, Canada.

01:45 pm  Monitoring of organochlorine, pyrethroid and organophosphate insecticide residues in okra and brinjal fruits from Multan. Dr. Muhammad Atif Randhawa, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

02:00 pm  Decontamination of pesticide residues from okra vegetable through traditional processing. Prof. Dr. Saghir A. Sheikh, Institute of Food Science & Technology, Sindh Agriculture University, Tando Jam, Pakistan.

02:15 pm  Pesticide removal by traditional processing from cauliflower. Miss Mahvish Jabeen Channa, Institute of Food Science & Technology, Sindh Agriculture University, Tando Jam, Pakistan.

02:30 pm  Evaluation of half-life and withholding period of two frequently used fungicides viz., thiophanate methyl and carbendazim on tomato fruit in Punjab, Pakistan. Miss Sana Hanif, Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan.

02:45 am  Electro-chemical detoxification of synthetic dyes using different electrodes in the presence of an electrolyte. Mr. Farrukh Raza Amin, Department of Environmental Science, Islamic International University, Islamabad, Pakistan.
03:00 pm  Role of the glutenin macroploymer (GMP) in bakery products. **Prof. Dr. Rashida Ali**, H.E.J. Research Institute of Chemistry (ICCBS), University of Karachi, Karachi, Pakistan.


03:30 pm  Influence of ionic strength on the size, structure and morphology of casein micelles during rehydration. **Mr. Raza Hussain**, Nancy Université, Laboratoire d’Ingénierie des biomolécules (LIBio), Nancy, France.

03:45 pm  Health promotion with encapsulated bacteria: a safe approach. **Prof. Dr. Tahir Zahoor**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

04:00 pm  Tea

**Technical Session-IVB**

**Venue: Iqbal Auditorium**

**Chairman:**
*Prof. Dr. Khalid Mahmood Khan (S.I.), Vice-Chancellor, PMAS-Arid Agriculture University, Rawalpindi, Pakistan.*

**Co-Chairman:**
*Mr. Aizad Ahmad, Instructor, Canadian College of Business & Haadi Institute, Toronto, Canada.*

01:30 pm  Bio-activity of Maillard reaction in food technology. **Prof. Dr. Ahmed Hassan El-Ghorab**, Head of Flavors and Aroma Department, National Research Center, Dokki, Cairo, Egypt.

01:45 pm  Food contamination and foodborne illness prevention. **Mr. Shahid Bashir**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

02:00 pm  Carcinogenic food contaminant. **Dr. Zarina Mushtaq**, Institute of Home and Food Sciences, GC University, Faisalabad, Pakistan.

02:15 pm  Melamine: a preliminary risk assessment for various maladies. **Dr. Imran Pasha**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.
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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>02:30 pm</td>
<td>Furan: a toxic heterocyclic organic compound. <strong>Miss Madiha Rohi</strong>, National Institute of Food Science &amp; Technology, University of Agriculture, Faisalabad, Pakistan.</td>
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<td>02:45 pm</td>
<td>Acrylamide: a known human carcinogen. <strong>Miss Mahwash Aziz</strong>, National Institute of Food Science &amp; Technology, University of Agriculture, Faisalabad, Pakistan.</td>
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<td>03:00 pm</td>
<td>Plasticizers: a potential health risk and contaminant in food. <strong>Dr. Muhammad Tauseef Sultan</strong>, Department of Food Science, Bahauddin Zakariya University, Multan, Pakistan.</td>
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<td>03:15 pm</td>
<td>Adulterants in spices: their health effects and detection methods. <strong>Mrs. Bushra Ishfaq</strong>, National Institute of Food Science &amp; Technology, University of Agriculture, Faisalabad, Pakistan.</td>
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<td>03:30 pm</td>
<td>Effect of storage conditions on prevalence of aflatoxins in different spices. <strong>Dr. Muhammad Abrar</strong>, Ayub Agricultural Research Institute, Faisalabad, Pakistan.</td>
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<td>03:45 pm</td>
<td>Microbial status and food safety concerns of baked products in Pakistan. <strong>Mr. Muhammad Shahbaz</strong>. Food Microbiology Labs, Bureau Veritas, Lahore, Pakistan.</td>
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<td>04:00 pm</td>
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**November 16, 2011 (Wednesday)**

**Technical Session-VA**

**Venue: New Senate Hall**

**Chairman:**
**Dr. Bob Haggerty, Director International Programs, College of Agriculture, University of Idaho, USA.**

**Co-Chairman:**
**Dr. G. Sarwar Gilani, Scientific Advisor, FAO, Ottawa, Canada.**

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>08:30 am</td>
<td>Safety issues in fresh fruits and vegetables. <strong>Dr. Ahmad Din</strong>, Postharvest Research Centre, Ayub Agricultural Research Institute, Faisalabad, Pakistan.</td>
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<td>08:45 am</td>
<td>Food security situation in Pakistan. <strong>Dr. Farzana Siddique</strong>, Department of Food Technology, PMAS Arid Agriculture University, Rawalpindi, Pakistan.</td>
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</table>
09:00 am  Expression profiling of peripheral layers and endosperm proteins particularly related to allergens during development of wheat grain. **Miss Ayesha Tahir**, INRA-GDEC, Clermont Ferrand, France.

09:15 am  Changes in vegetable oils used for commercial frying in Pakistan. **Mr. Syed Shahzad Shah**, Department of Home & Health Sciences, Allama Iqbal Open University, Islamabad, Pakistan.

09:30 am  Emerging food safety issues in dairy and dairy products. **Dr. Sarfraz Ahmad**, National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

09:45 am  Detection of health status of promising potato varieties and lines against different virus diseases - a prerequisite for food. **Mr. Inam-ul-Haq**, Plant Pathology Research Institute, Ayub Agricultural Research Institute, Faisalabad, Pakistan.

10:00 pm  Efficacy of clove, cumin and cinnamon oils against blue mold disease on citrus fruit. **Miss Nosheen Akhtar**, Institute of Agricultural Sciences, Quaid-e-Azam Campus, University of the Punjab, Lahore, Pakistan.

10:15 am  Tea

**Technical Session-VB**

**Venue: Iqbal Auditorium**

**Chairman:**
*Dr. Mian Nadeem Riaz, Texas A & M University, College Station, USA.*

**Co-Chairman:**
*Dr. Syed Ibrar Hussain, CEO, Specialities, Karachi, Pakistan.*

08:30 am  The cold chain and food safety issues in developing countries. **Dr. Mujahid Masood**, Islamic Food and Nutrition Council of America, Chicago, USA.

08:45 am  Evaluation of edible coating to enhance the shelf-life quality and safety of apples. **Miss Rizwana Soomro**, National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan.
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00 am</td>
<td>Effects of novel edible coating from <em>Cordia myxa</em> in comparison with CMC on shelf life of “Chilgoza” (<em>Pinus gerardiana</em>). <a href="#">Mr. Muhammad Abdul Haq</a>, Department of Food Science &amp; Technology, University of Karachi, Karachi, Pakistan.</td>
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<td>09:15 am</td>
<td>Factors associated with postharvest quality deterioration of apricot (<em>Prunus armeniaca</em>) in Pakistan. <a href="#">Miss Justina Jane Tahira</a>, Institute of Mycology and Plant Pathology, University of the Punjab, Lahore, Pakistan.</td>
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<td>09:30 am</td>
<td>Impact of packing material on association of fungi and enhancing quality deterioration process. <a href="#">Dr. Salik Nawaz Khan</a>, Institute of Mycology and Plant Pathology, University of the Punjab, Lahore, Pakistan.</td>
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<td>09:45 am</td>
<td>Nutritional, phytochemical potential &amp; pharmacological evaluation of <em>Nigella sativa</em> (“kalonji”) &amp; <em>Trachyspermum ammi</em> (“ajwain”). <a href="#">Miss Shabnam Javed</a>, Institute of Agricultural Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore, Pakistan.</td>
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<td>10:00 am</td>
<td>Effect of soy protein fortification on the properties of low carbohydrate cookies. <a href="#">Mr. Feroz Alam</a>, Department of Food Science &amp; Technology, University of Karachi, Karachi, Pakistan.</td>
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<td>10:15 am</td>
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**CONCLUDING SESSION**

**Venue:** New Senate Hall

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<tr>
<td>10:45 am</td>
<td>Arrival of the Chief Guest</td>
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<td>10:50 am</td>
<td>Recitation from the Holy Quran</td>
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<tr>
<td>10:55 am</td>
<td>Welcome address by <a href="#">Prof. Dr. Iqrar Ahmad Khan</a> (<em>S.I</em>), Vice Chancellor, University of Agriculture, Faisalabad, Pakistan.</td>
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<tr>
<td>11:10 am</td>
<td>Presentation of Recommendations by <a href="#">Prof. Dr. Gleyn Edward Bladsoe</a>, University of Idaho, USA.</td>
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<td>11:30 am</td>
<td>Discussion on Recommendations</td>
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<td>11:40 am</td>
<td>Address by the Chief Guest</td>
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<tr>
<td>11:50 am</td>
<td>Vote of thanks by <a href="#">Prof. Dr. Faqir Muhammad Anjum</a> (<em>T.I</em>), Director General, National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan.</td>
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<tr>
<td>12:00 pm</td>
<td>Lunch and Prayer</td>
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