

# What I learned at MD Anderson Cancer Center

Showa University

Department of Breast Surgical Oncology

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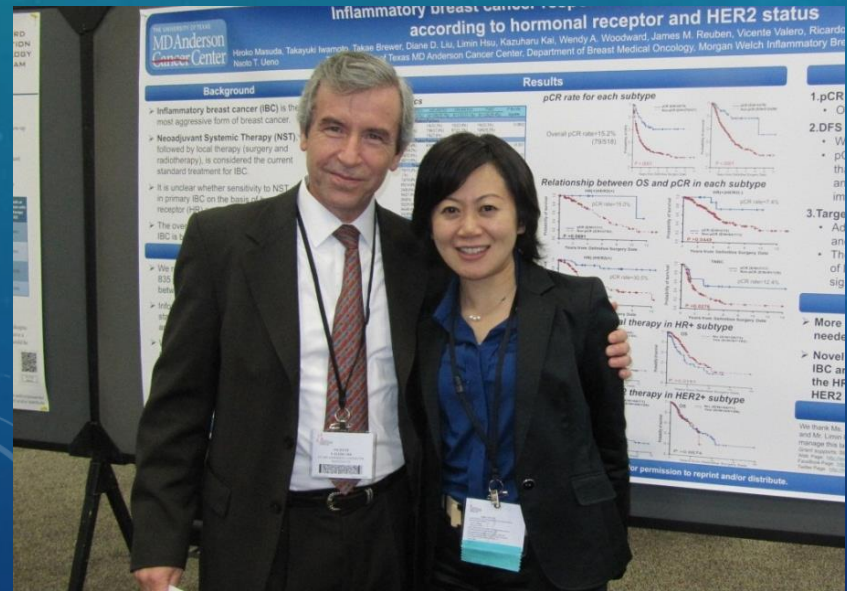
# My Oncology Dream Award

New nationwide competition in Japan among oncology professionals, for the opportunity to receive high level research education at MD Anderson Cancer Center



- ✓ Can be a Postdoctoral fellow
- ✓ Can choose a Mentor from MDACC's professors (if they will accept)
- ✓ Can pursue what we want to learn

# Breast Medical Oncology



# The Morgan Welch Inflammatory Breast Cancer Research Program and Clinic

1. How can we distinguish IBC from non-IBC at the molecular level that will lead to universal diagnostic criteria?
2. What are the IBC unique etiologies that can be developed as IBC-specific targets?
3. What are the risk factors for a development of IBC?



# Education System

## Systemic and Logical Training

- **Mentor-Mentee System**

- What we should learn and achieve to be an academic leader (Clinician Investigator) at oncology field.

- Guidance for Career Development

- **Full Educational Workshops for postdoctoral fellow**

- Presentation Skill

- Writing Skill

- Basic Knowledge

# Goal for postdoctoral fellowship

## 1. To write Review article

- Role of epidermal growth factor receptor in breast cancer.  
Masuda H, Ueno NT et al. Breast Cancer Res Treat. 2012 Nov;136(2)

## 2. To conduct retrospective study

- Statin use in primary inflammatory breast cancer: A cohort study  
Masuda H, Brewer T, Ueno NT et al. Brit J cancer. 2013 July
- Long-term treatment efficacy in primary inflammatory breast cancer by hormonal receptor- and HER2-defined subtypes  
Masuda H, Brewer T, Ueno NT et al. Annals of Oncol 2013

## 3. To perform Translation Research

- Molecular subtype distribution in triple negative inflammatory and non-inflammatory breast cancers. Masuda H, Ueno NT. Breast Cancer Res.
- Differential response to neoadjuvant chemotherapy among 7 triple negative breast cancer molecular subtypes.  
Masuda H, Ueno NT, et al. Clin Cancer Res. 2013 Oct 1;19(19)

# Goal for postdoctoral fellowship

## 4. To conduct prospective study

- Phase II study of denosumab to define the role of bone related biomarkers in breast cancer bone metastasis
- Phase III study of Atorvastatin as Adjuvant therapy in patients with inflammatory and Triple Negative breast cancer
- Improving Outcomes in Triple Negative Breast Cancer Using Molecular Triaging and Diagnostic Imaging to Guide Neoadjuvant Therapy

# Summary



- Research Environments
  - ✓ Great and passionate Mentor
  - ✓ Basic scientists
  - ✓ Bioinformaticians
  - ✓ Biostatisticians
  - ✓ Huge clinical data
  - ✓ Genomic data
  - ✓ Friends who can mutually enhance one another
- SPEED
  - ✓ Can focus on only RESEARCH!!
  - ✓ Can access developing drugs and technology





# Texas



# Summary

- 2010 My Oncology Dream Award
- 2012 ASCO Travel Award  
**Met a future husband**
- 2013 ASCO Bradley Stuart Beller Special Merit Award  
**Back to Japan**
- 2014 Japan Breast Cancer Symposium; Invited Speaker  
**Got married**
- 2015 Assistant professor at Showa University,  
Department of Breast surgical oncology  
Japan Breast Cancer Symposium; Invited Speaker  
Young Investigator Award from JBCS  
**Had a baby girl**
- 2016 Japan Breast Cancer Symposium; Invited Speaker  
Japanese cancer association; Invited Speaker  
Received a Grants in Aid for scientific research  
**Have a second baby**

# Acknowledgement

## Primary Mentor

Naoto T Ueno, M.D., Ph.D.

## The Morgan Welch Inflammatory Breast Cancer Research Program and Clinic

Valero, Vicente, M.D.

Chandra Batholomeusz, M.D., PhD.

Alvarez, Ricardo Hugo, M.D.

James M. Reuben, Ph.D.

Wendy A. Woodward, M.D., Ph.D.

Danielle M. Walsh, M.S

Jie S. Willey, RN, MSN.

Monica E. Reyes, B.S.

Kazuharu Kai, M.D., PhD.

Takahiro Kogawa, M.D., PhD.

Tamer Fouad, M.D., PhD.

Jangsoon Lee. Ph.D.

Xuemei Xie, Ph.D.

Xiaoping Wang, Ph.D.

Bedrich Eckhardt, M.D., PhD.

Angie M. Torres Adorno, B.S,

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