



*Follow your  
rainbow*



国立大学法人  
総合研究大学院大学

The Graduate University for Advanced Studies [SOKENDAI]

## About theme *"Follow your rainbow"*

Follow your rainbow is a very practical theme for the field of research. Each color of the rainbow associates with a unique quality that a researcher must possess to achieve his ultimate goal. These are the enlisted qualities:

### Dream (Violet):

"The future belongs to those who believe in the beauty of their dreams." ~Eleanor Roosevelt

### Curiosity (Indigo):

"Millions saw the apple fall, but Newton asked why." ~Bernard Baruch

### Patience (Blue):

"Only those who have the patience to do simple things perfectly will acquire the skill to do difficult things easily." ~Johann Friedrich von Schiller

### Positivity (Green):

"Once you replace negative thoughts with positive ones, you'll start having positive results." ~Willie Nelson

### Commitment (Yellow):

"Unless commitment is made, there are only promises and hopes... but no plans." ~Peter F. Drucker

### Creativity (Orange):

"You see things; and you say, 'Why?' But I dream things that never were; and I say, 'Why not?'" ~George Bernard Shaw

### Passion (Red):

So try to pursue the very things that you are passionate about- that is the difference between good and great!  
-- Shawn Doyle



## Contents

1. Welcome note from the president of SOKENDAI	page 3
2. Welcome note from the directors of different institute	page 5
3. Message from student committee members	page 7
4. Schedule	page 9
5. <i>Karuta</i> Workshop	page 15
6. Cultural Trip to <i>Kamakura</i>	page 17
7. List of new students and participants	page 19
8. Important contact information	page 21
9. Internet connection information	page 22
10. Bus location map	page 23
11. Information about student seminar committee	page 24
12. Group picture	page 25
13. Hayama campus Map	page 26



*Follow your rainbow*

Student seminar, October 2012





## Welcome note from the president

For the new students in the 2012 autumn entrance

Congratulations on your matriculation at the Graduate University for Advanced Studies (SOKENDAI). It was founded in 1988 in affiliation with Inter-University Research Institutes (IURIs). The mission of SOKENDAI is to extend the strengths of individual students and cultivate intellectual elites with both high expertise and broad perspectives through doctoral education at 20 IURI and other research sites. By intellectual elite, I do not mean to refer to a privileged class, but to responsible persons entrusted by the public to carry out intellectual activities. Expertise is essential for everyone's success in today's knowledge-based society. Of equal importance is the broad perspective. It is the ability to combine knowledge in different disciplines and provides the basis for your activities in the future. For this purpose, SOKENDAI offers general courses and organizes various activities to facilitate trans-disciplinary collaboration. I hope that instead of shutting yourself up in your Department, you will actively participate in such activities.



Cheers.

President

Naoyuki TAKAHATA



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## Welcome greetings from the Director of each institute



Regional Studies  
Masatoshi KUBO



Japanese History  
Atsushi NITO



Functional Molecular Science  
Yasuhiro UOZUMI



Genetics  
Yuji KOHARA



Basic Biology  
Kiyotaka OKADA

Welcome to SOKENDAI! According to the message from the President TAKAHATA Naoyuki, the goal of SOKENDAI is to foster researchers with exceptional professional expertise and broad perspective, as well. Please take advantage of the facilities and supports provided from SOKENDAI, especially the academic diversity, from human sciences to natural sciences, of the parent institutes. By doing so, you will surely expand your view and explore new academic frontier.

Congratulations on your acceptance to SOKENDAI. SOKENDAI is better equipped than other universities. Students can take advantages of leading-edge technologies and valuable research resources each institution has. And also students can be taught by various researchers. Hope you all contribute to the academic development through your doctor paper including an advanced achievement. Be decent to science. Be eager to science which you are proud of. Challenge to change “impossible” into “possible”, “unknown” into “known”. Worth of science is universal regardless of generation, race, nationality, border, etc. I wish your fruitful days in SOKENDAI.

Where there is a will, there is a way. I wish you success.

Welcome to SOKENDAI. There is nothing you cannot do in science, so don't hesitate to pursue the subject that interests you. And to do so, the most important things is thinking and discussion, for which SOKENDAI provides the best environment to you. I believe your great success.

Congratulations on your acceptance to SOKENDAI. You should feel hopeful and inspired to research in your chosen field. I want to suggest you to find longtime friends during your graduate school days. Besides your old friends, your research friends who have a same goal can be your treasure in your life. Best friends are also worthy rivals. You can overcome research difficulties by friendly rivalries. I hope you can get such best friends at SOKENDAI and many academic conferences.



Physiological Sciences  
Yasunobu OKADA



Evolutionary Studies of Biosystems  
Kentarou ARIKAWA



The center for the promotion of  
Integrated Science  
Kohji HIRATA



Vice President  
Yasuhiko NAGANO

Dear new students of SOKENDAI,

I congratulate you on your start of studying at the national institutes in which many top scientists are working at the forefront of science using large-scale modern equipments. I hope you take advantage of such privileged circumstances and thereby grow up to be international cross-disciplinary top scientists.

Don't be hurry, but don't stop.

Congratulations

SOKENDAI will surely provide you with sufficient knowledge and skill for your Ph.D. For long academic life of yours, however, the deep knowledge might not be enough and you need rich interest and awareness on various sides of the science. You can have many occasions to acquire wide variety of knowledge, expand your interest and make many good friends through the activities by CPIS (Center for promotion of Integrated Sciences). Please pay your attention to us and participate in our activities.

Welcome to SOKENDAI, a really unique graduate school, where you can pursue your own goal with excellent professors and a high quality of research environment. Don't stay in an octopus trap, but extend your perspective through interdepartmental lectures. SOKENDAI is literally an innovative place.





## Welcome note by student committee members



**Rupali Gupta** from  
**Physiological Sciences**

Dear Students,

It is my pleasure to welcome you all. Needless to say that PhD itself is a branch that going to make you dynamic leader. Your vision and tireless efforts will not just help this University but also Science field and human kind.

I hope during your PhD you will “*Follow your Rainbow*”.

**All religions, arts and sciences are branches of the same tree. All these aspirations are directed toward ennobling man's life, lifting it from the sphere of mere physical existence and leading the individual towards freedom.**

**ALBERT EINSTEIN**



**Neha Mishra** from  
**Genetics**

I would like to welcome everybody to Japan and SOKENDAI and congratulate for making it to here. I am glad to share the experiences I had in the past year with all of you and help you out in every possible way.

You all will be starting a new phase of your life as doctoral students and I wish you good luck for that. I hope you make ample use of this opportunity by not only doing great research but also by making new friends, learning new things, understanding each other's culture, developing your overall personality, and hence ***Following your Rainbow***. I wish each of you a very bright future ahead and hope that you can make your own beautiful rainbow.



*Follow your rainbow*

Student seminar, October 2012





## Schedule

11<sup>th</sup> October, 2012

### Entrance Ceremony

Time	Event	Location
12:00~12:45	Entrance Ceremony Registration	Main Entrance of the Sokendai Hayama Campus
12:45 -12:55	Information for entrance ceremony	Lecture room 2F,Sokendai
12:55 -13:25	Musical Performance	
13:25 -14:25	Entrance Ceremony	
14:25 -15:10	Lecture on Stress management	
15:10 -15:30	Coffee Break	

### Student Seminar 1<sup>st</sup> day

15:30- 15:40	Welcome by Student Committee	Lecture room 2F,Sokendai
15:40-16:40	Lecturer 1 (Physical Science) Q & A	Lecture room 2F,Sokendai
16:40-16:50	Coffee break	
16:50-17:50	Lecturer 2 (Faculty of liberal arts) Q & A	Lecture room 2F,Sokendai
18:10-19:50	Dinner + Workshop 1 (Introduction)	Cafeteria Shiki 1F,Sokendai
19:50-22:00	Workshop 2	Seminar room 103-104, SOKENDAI
22:00	Hotel Check-in	Sokendai→Shonan Village Center (SVC)



12<sup>th</sup> October, 2012Student Seminar 2nd day

Time	Event	Location
7:30 -8:30	Breakfast	Shonan Village Center(SVC)
8:30 -9:00	Check-out	SVC→Sokendai
【Part I】*	9:00-10:00	Seminar room 103-104,Sokendai
	Opening	
	Workshop 3 (Multi cultural)	
	10:00-10:20	Closing
	10:20-10:30	Main Entrance at SOKENDAI
	10:30-11:00	Seminar room 103-104,Sokendai
	11:20~11:50	*you have to eat you lunch box in bus only
	11:50:12:55	The Collection of National Museum of Ethnology Beads in Africa
	13:00-13:55	Yamaguchi Hoshun Exhibition “The traditional Japanese Beauty and Design”(伝統の美のかたち)

Japanese Culture Course

【Part II】*	14:00-14:30	Move to Kamakura	Will Disband at JR Kamakura St.
	14:30-15:30	Tea ceremony experience at Joumyo-ji	Kamakura
	15:30-16:00	Bus	
	16:00:17:00	Sightseeing & Activities around The Great Buddha and Koutoku-in	Kamakura
	17:30-19:30	Dinner	Japanese restaurant
	19:30-20:20	Return to the Hotel	Will Disband at JR Kamakura St.

※ The acquisition of academic credit (one credit) is granted to the participants who participates to Student Seminar Part 1[Follow your rainbow & Japanese Culture Course]. (Part 2 is option.)





13<sup>th</sup> October, 2012

Japanese Language Class 1st day

Time slot	Schedule	Location
7:30 -8:30	Breakfast	Shonan Village Center
8:30	Assembly at Hayama campus	
9:00 -12:00	Japanese language classes ①	CPIS Lecture room 2F,Sokendai
12:00 -1300	Lunch (Obento / by each)	
13:00 -17:00	Japanese language classes ②	
17:00 -	Dinner by each	
~20:00	Return to the Hotel	Shonan Village Center

14<sup>h</sup> October, 2012

Japanese Language Class 2nd day

Time slot	Schedule	Location
7:30 -8:30-	Breakfast	Shonan Village Center
8:30 -	Assembly at Hayama campus	
9:00-12:00	Japanese language classes ③	CPIS Lecture room 2F,Sokendai
12:00-13:00	Lunch(Obento /by each)	
13:00-15:00	Japanese language classes ④	
15:00-15:10	Closing	
15:30-	Return to own department	15:34 Bus from “Makadosawa-Chouseichi”



## Day 1 of Student seminar 11<sup>th</sup> October, 2012

- ❖ 1<sup>st</sup> lecture by Tim Byrnes ► 15:40-16:40.
- ❖ 2<sup>nd</sup> lecture by SPEARS, Scott ► 16:50-17:50
- ❖ Workshop I (Self Introduction) + Dinner ► 18:10-19:50
- ❖ Workshop II group activities, discussion and presentation ► 19:50-22:00



## 1<sup>st</sup> talk by Tim Byrnes

### Career

Nov 2006 - Apr 2010 Project researcher, University of Tokyo  
Apr 2005 - Nov 2006 JSPS postdoctoral fellow, National Institute of Informatics  
Nov 2004 - Apr 2005 Project researcher, National Institute of Informatics  
Apr 2003 - Oct 2003 Research assistant, University of New South Wales  
Apr 1999 - Apr 2003 Ph.D., University of New South Wales



### About

His current interests are in the theory of exciton-polariton condensation, quantum simulation, and quantum computation. Topics he has examined since joining Yamamoto group include Mott transitions and the BCS-BEC crossover of exciton-polaritons, quantum simulation using semiconductor quantum dot arrays, and the quantum simulation of lattice gauge theories. I am also interested in new quantum computational schemes, and have been recently been working on using Bose-Einstein condensates on various quantum information processing applications.





## 2<sup>nd</sup> talk by SPEARS, Scott

**Assistant Professor** :Kokugakuin University

**Research field**: Japanese medieval literature, Waka (Japanese Short Poem)

### **Recent Works**

KoremunenoMitsuyoshi's life through the "Koremuneno Mitsuyoshi Ason collection" [in Japanese]

Waka Literature Studies (104), 54-65, 2012-06.

The research of Kamakura shogun and Waka, Doctor thesis.

From Haiku to Tanka –laggard Tanka Campaign in America and the problem of Haiku Campaign in their earlier years –Department of Comparative Literature at Waseda University Monthly Research Presentation Seminar No.210

### **Dr.Spears Message for new students**

I have looked at learning as an adventure. For me, the process of learning holds a higher place than the final result. This has led to many setbacks, and more than a few embarrassing moments, but in the end, I believe it has made me both a better-rounded researcher and person in general.

For the path that many of you are about to start down, I can only suggest that you follow your heart and your instincts. You will need to deliver results at some point, but try not to lose sight of why you started down this path in the first place.







## Karuta workshop

**Outline** This workshop is based on the Japanese traditional card game, Karuta. In this workshop, you make Karuta cards of your dream, and you can understand each other's dreams through Karuta game.

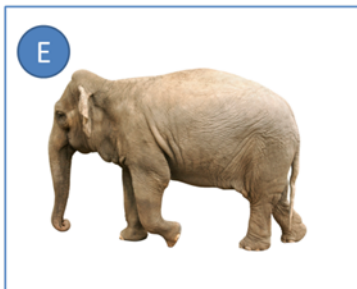
### What is a Karuta?

There are two kinds of cards used in karuta. One kind is yomifuda (読札) or "reading cards", and the other is torifuda (取り札) or "grabbing cards." As they were denoted, the words in the yomifuda are read and players will have to find its associated torifuda before anybody else does.

yomifuda

Elephant has a long nose, and it is a big, gray body.

torifuda

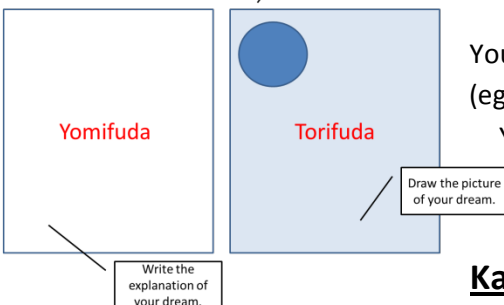


Make Your dream Karuta!!

Write the capital of yomifuda.

### Karuta Workshop

You have to write the explanation of your research dream (eg. Development of a cure for obesity, New theory of gravitation) on Yomifuda. And you draw a picture of your dream on Torifuda.



### Karuta's Workshop Rule

1. Lay out the torifuda with the pictures and hiragana face up so everyone can see.
2. A teacher reads out the words on a yomifuda card (e.g. waraukadoniwafukukitaru).
3. All players search for the torifuda card that has the picture corresponding to the dream.
4. The player who finds this card first gets to keep the card.
5. Continue by reading out all the yomifuda and finding the associated torifuda.

*The winner of the game is the player who collects the most torifuda*





## **Day 2 of Student seminar**

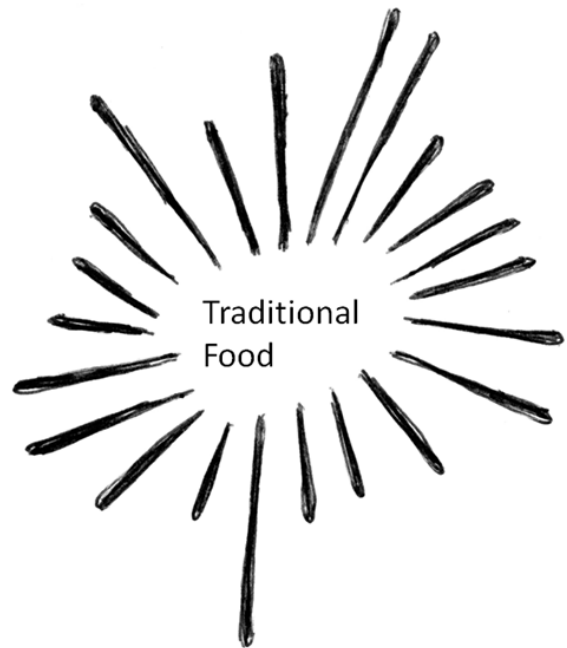
### **12<sup>th</sup> October, 2012**

- ❖ Workshop III (multicultural) ► 9:00-10:00.
- ❖ Group photo ► 10:20-10:30
- ❖ Key points for Daily Manners in Japan ► 10:30-11:00
- ❖ Museum and exhibition ► 11:50-13:55
- ❖ Trip to kamakura ► 14:00-17:00

# Cultural Workshop

## Talk about your culture

Let's talk about your culture from these topics!



**Memo your team mate' s talk!**

Name (	) Country(	)
--------	------------	---

Talk Memo

Name (	) Country(	)
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Talk Memo

Name (	) Country(	)
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Talk Memo

Name (	) Country(	)
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Talk Memo

Name (	) Country(	)
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Talk Memo

# African Beads Exhibition



What is your most favorite object? And why?

Find similarities between African culture and  
Your culture!



MEMO

# Traditional Japanese Beauty Exhibition

What is your most favorite work? And why?

What do you think the characteristics of Japanese art is?

memo



## Cultural trip to Kamakura

### Jōmyō-ji



Tōkasan Jōmyō Zenji is a Zen Buddhist temple of the Rinzaï sect, Kenchō-ji school, in Kamakura, Kanagawa Prefecture, Japan. Jōmyō-ji is Number Five of the five temples known as *Kamakura Gozan* ("Kamakura's Five Mountains"), and it is the only one of the five not founded by a member of the Hōjō clan. Jōmyō-ji has instead, as nearby Zuisen-ji, deep ties with the Ashikaga clan, and was one of the family's funeral temples (*bodaiji*). For this reason the family's *kamon*, or crest, is ubiquitous on its premises. The first three characters of its full name mean "Inari mountain", presumably from the hill of the same name where it stands, in its turn named after an ancient Inari myth (see below). Jōmyō-ji has given its name to the surrounding area, the characters for which have been however deliberately changed from 浄妙寺 to 浄明寺.

### Kotokuin Daibutsu



The Daibutsu is an enormous statue of bronze cast in the year 1252, located at the Kotokuin Temple in Kamakura. Its name means "Great Buddha" in Japanese. With a height of 13.35 meters high and weighting 121 tons, it is the second tallest bronze Buddha statue in Japan, surpassed only by the statue in Nara's Todaiji Temple.

The impetus for this great work dates back to the early years of the 13th century, when the court lady Inadano-Tsubone (an attendant of Shōgun Yoritomo) desired to have a Buddha image created as an expression of her faith and piety. The Kamakura Daibutsu built in the 13<sup>th</sup> century. At that time, the bronze image was sheltered within a wooden hall of immense dimensions, but the hall was subsequently destroyed in 1335 during a large storm. The hall was again reconstructed, only to be blown down during a typhoon in 1368. The fourth and final reconstruction of the hall remained standing until 1495, when an unprecedented tsunami washed away the structure but left the bronze image largely intact. The 26th abbot of the Great Head Temple Zōjōji tried to have the lost hall rebuilt during his tenure, but the project was abandoned after his death in 1718.

Since then, there have been no efforts at reconstruction of the lost hall.



## Information about student seminar committee

The Student Seminar Committee consists of students from various departments in SOKENDAI whose main task is to organize the Student Seminar, held every year twice in April and October, it includes entrance ceremony and cultural course.

Committee members are expected to participate in several meetings during the year held in some of the SOKENDAI departments.

There they discuss matters such as choosing themes, selecting lecturers and deciding the special activities for the next Student Seminar.

New students to SOKENDAI are encouraged to join the Student Seminar Committee (on a voluntary basis, of course).

If you join, you will not only gain experience in working as a team and learn to overcome various problems and challenges, but also make new friends in the process too!



*(Please be advised that the Student Seminar Committee represents part of the SOKENDAI inter-departmental & student activities, so SOKENDAI will cover the cost of travel, accommodation and daily allowances according to the university guidelines)*





*Follow your rainbow*

Student seminar, October 2012



**STUDENT  
SEMINAR  
OCTOBER 2011**

