

## **Division of Biology**

### **Department of Integrated Human Sciences**

#### **Outline**

Biology is indispensable study not only in the medical field but also in the fields related to life phenomena. Learning basic matters such as cell structure, function of cell organelles, proliferation of cells and individuals, genetics and genes, which are required in the field of pharmacy. The goal of our laboratory is to acquire the fundamental knowledge of biology related to the phenomena of life at the cellular level and the process from birth to death, which are essential for studying pharmacy. We are studying the mechanisms of environmental chemicals in vertebrates.

#### **Faculty member**

Associate professor: Tomoko KONDO, Ph.D.

#### **Main research in progress**

- 1) Developmental Biology
- 2) Effects of Environmental Chemicals

#### **Current publications**

- Correlations among Serum PCB/Dioxins Levels, Smoking Status, and gene Polymorphisms in Mothers from Hokkaido, JAPAN. *Organohalogen Compounds* 69 2007, 2039-2041, Ban S, Kondo T, Sasaki S, Konishi K, Washino N, Kajiwara J, Todaka T, Hirakawa H, Ishizuka M, Fujita S, Kishi R
- Using microarray analysis to evaluate genetic polymorphisms involved in the metabolism of environmental chemicals. 2007, *Fukuoka igaku zasshi*, 98(5) 208  
Susumu Ban, Tomoko Kondo, Mayumi Ishizuka, Seiko Sasaki, Kanae Konishi, Noriaki Washino, Syoichi Fujita, Reiko Kishi
- Exposure of prepubertal female rats to inhaled di(2-ethylhexyl)phthalate affects the onset of puberty and postpubertal reproductive functions. 2006, *Toxicol Sci.* 93(1):164-171, Ma M, Kondo T, Ban S, Umemura T, Kurahashi N, Takeda M, Kishi R

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