




Korean Cancer Association

| Curriculum Vitae | |
|---|---|
| Full name | Yvonne Tay |
| Current Position | President's Assistant Professor |
| Department | Department of Biochemistry |
| Affiliation | National University of Singapore |
| Country | Singapore |
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| Education | |
| 2008 Ph.D., National University of Singapore, Singapore 2003 B.Sc., National University of Singapore, Singapore | |
| Professional Experience | |
| Since 2014 | Principal Investigator; Cancer Science Institute of Singapore |
| Since 2014 | President's Assistant Professor, Department of Biochemistry, National University of Singapore |
| 2010 – 2014 | Postdoctoral fellow, Harvard Medical School and Beth Israel Deaconess Medical Center |
| 2009 | Postdoctoral fellow, Institute of Medical Biology, A*STAR |
| 2008 | Postdoctoral fellow, Experimental Therapeutics Centre, A*STAR |
| Major research interests: | |
| <p>In addition to genomic alterations, aberrant changes in post-transcriptional regulation by factors including RNA binding proteins and non-coding RNAs represent another mechanism to modify gene function and thus contribute to tumorigenesis. In addition to studying non-coding RNAs in their own right, our group is also interested in studying the non-coding regions of protein-coding mRNAs (untranslated regions, UTRs). Our work has three main focus areas: (1) Deconvoluting RNA:RNA networks in cancer; (2) Understanding the interplay between RNA:RNA interactions and RNA:protein interactions and (3) Examining potential crosstalk between these post-transcriptional networks and RNA processing pathways such as alternative splicing and polyadenylation. Our long-term goal is to translate our basic research discoveries into new avenues for the development of novel RNA-based anti-cancer diagnostics and therapeutics.</p> | |

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