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# Main fields:

- Histopathology of digestive system and female genital and breast tumors
- Histopathology and pathogenesis of Hirschsprung's disease and hirschsprung's allied disease
- Cytopathology and cytological technology
- Tumor immunity and biological immunotherapy
- Screening and identification of molecular targets of carcinoma, and using new technology for early diagnosis in carcinoma
- Detecting tumor-associated molecular targets for individualized treatment of cancers.
- Researching in biotechnology and translational medicine

# The research results and clinical outcomes have been presented at conferences

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# The research results and clinical outcomes have been presented at conferences

11. Jiang A, Zhang S, Li Z, Liang R, Ren S, Li J, Pu Y, Yang J. miR-615-3p promotes the phagocytic capacity of splenic macrophages by targeting ligand-dependent nuclear receptor corepressor in cirrhosis-related portal hypertension. *Exp Biol Med* (Maywood). 2011;236(6):672-80. PMID: 21565892
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Tab.1 The histological typing, grading-scale system of colorectal cancer (score)

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colorectal cancer (CRC)
no mucin-producing adenocarcinoma (1-3 points)
tubular adenocarcinoma (1-3 points)
well differentiated tubular adenocarcinoma (1point)
moderately differentiated tubular adenocarcinoma (2 points)
poorly differentiated tubular adenocarcinoma (3 points)
sieve-like acne adenocarcinoma (2 points)
medullary carcinoma (2 points)
serrated adenocarcinoma (2 points)
micropapillary carcinoma (3 points)
mucin-producing adenocarcinoma (3-4 points)
mucinous adenocarcinoma (3 points)
signet ring cell carcinoma (4 points).
squamous cell carcinoma (1-3 points)
well differentiated squamous cell carcinoma (1point)
moderately differentiated squamous cell carcinoma (2 points)
poorly differentiated squamous cell carcinoma (3 points)
neuroendocrine tumors (1-4 points)
neuroendocrine tumors (NET) (1-4 points)
NET G1 (1point)
NET G2 (1point)
neuroendocrine carcinoma (NEC) (3-4 points)
small cell NEC (3 points)
large cell NEC (4 points)
mixed adenocarcinoma-neuroendocrine carcinoma (the score was accumulated)
the special type of CRC (4 points)
adenosquamous carcinoma (the score were accumulated)
clear cell carcinoma (4 points)
pindle cell carcinoma (4 points)
Undifferentiated carcinoma (5 points)

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# present interest

- Histopathology and pathogenesis of digestive system and Female genital and breast tumors

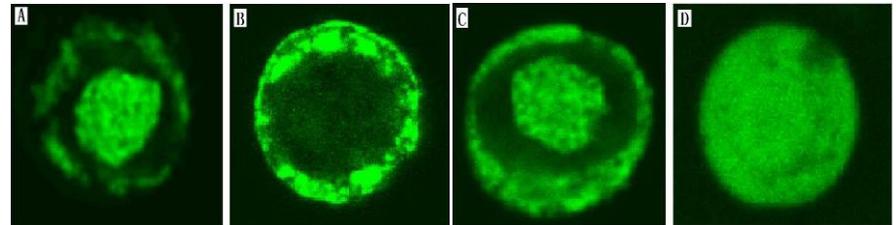
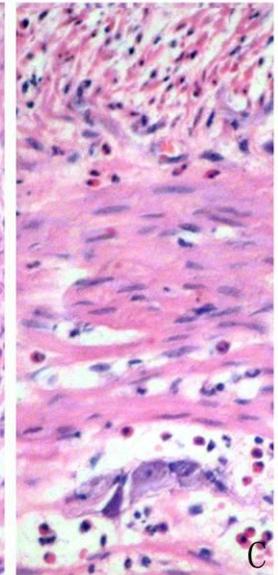
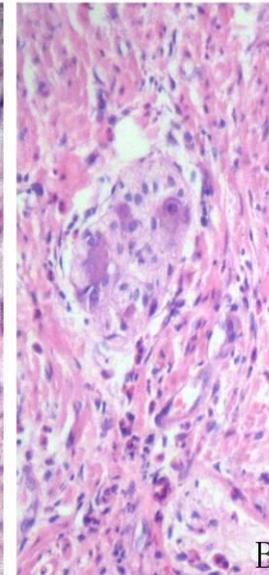
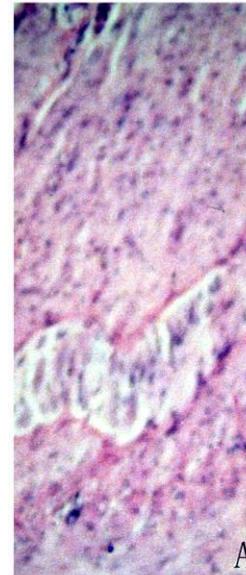
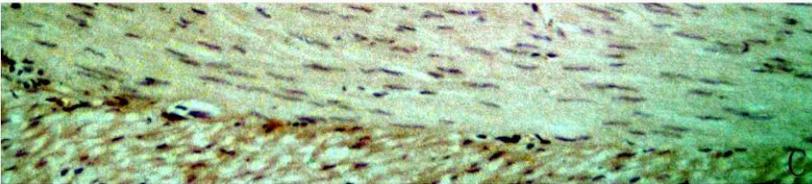
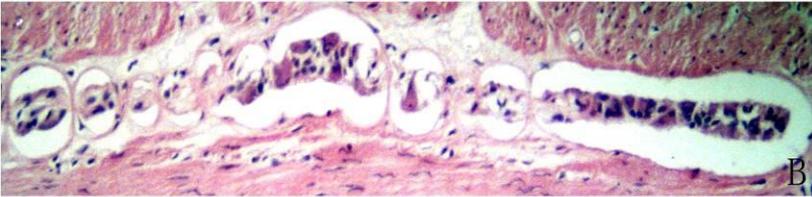
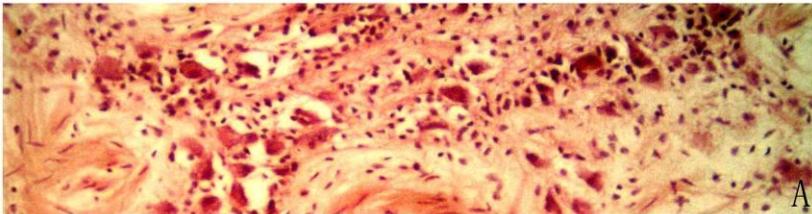
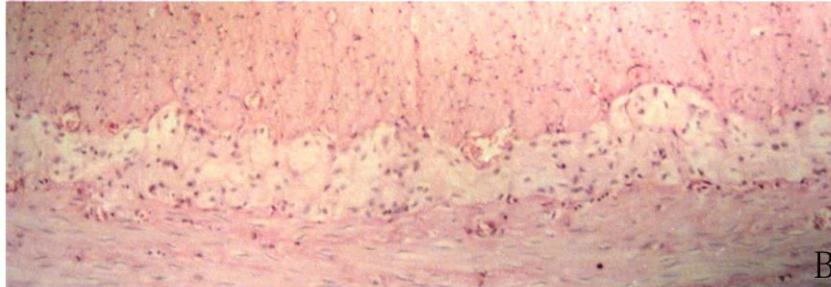
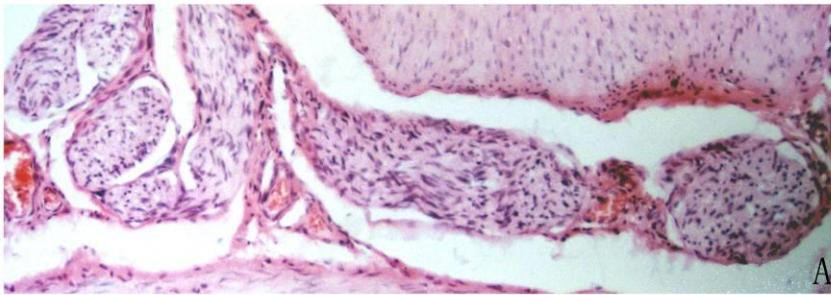


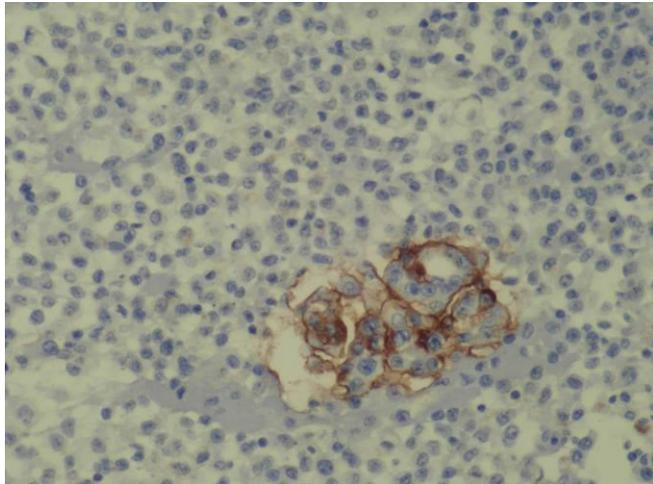
Fig HPV16L1-NLS-EGFP expressed in sf-9 cells

# present interest

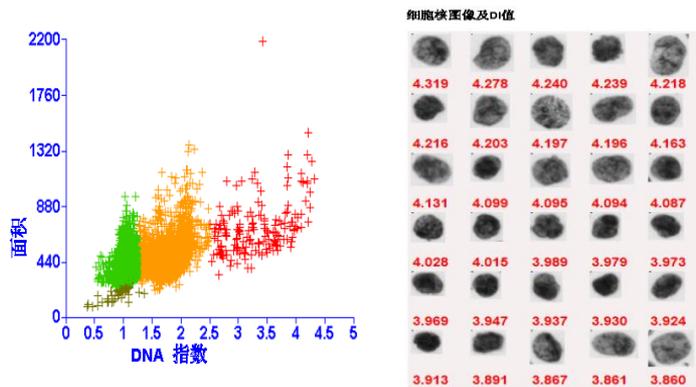
- Histopathology and pathogenesis of Hirschsprung's disease and hirschsprung's allied disease



# present interest



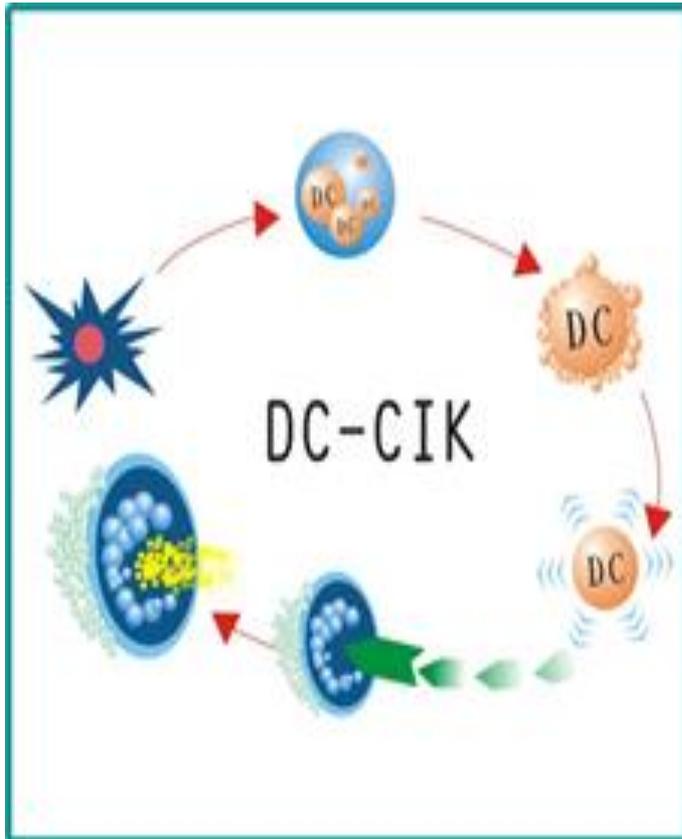
detecting Her-2 in cytological samples by ICH.



Automatic DNA quantitative analysis technology  
/Automatic DNA image cytometry

- Cytopathology and Cytological technology  
diagnostic cytopathology of the cervical cytology and pleural effusion.  
enriching of cells,  
making cytological cell blocks, DNA image analysis, detecting circulating tumor cells,  
using staining techniques, and ICH or FISH of cytological samples.

# present interest



- Tumor immunity and biological immunotherapy

# present interest

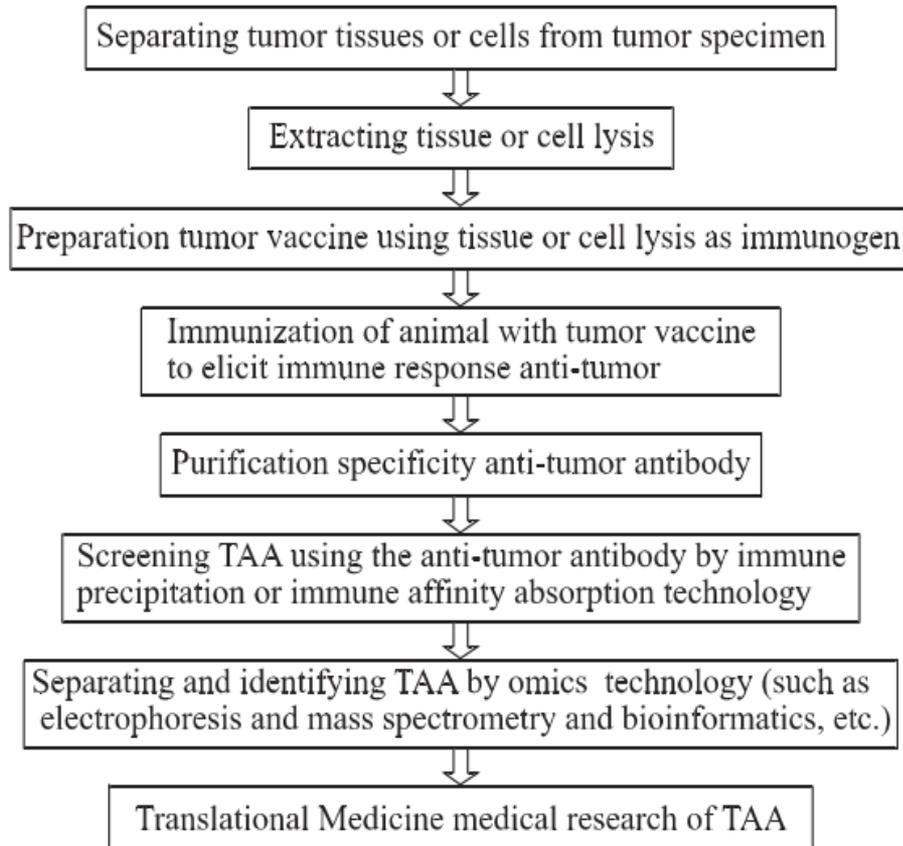
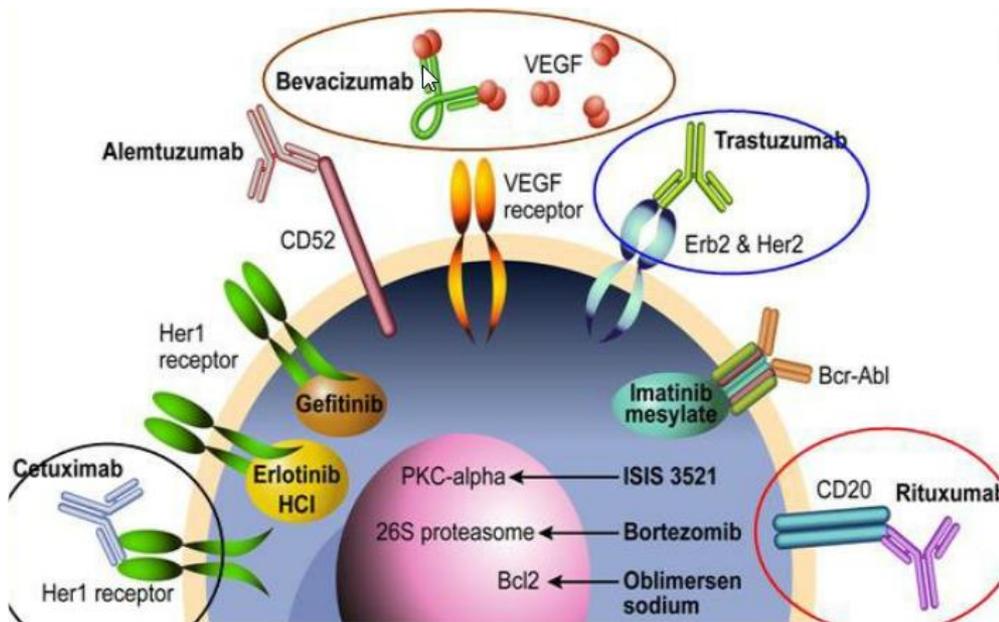


Fig. Schematic diagram of using cancer Cancer antigenomics for screening TAA

- Screening and identification of molecular targets of carcinoma interesting in biomarker discovery technology to screen tumor-associated Biomarker and using new technology for early diagnosis in carcinoma.

# present interest

- Detecting tumor-associated molecular targets for individualized treatment of cancers.



using IHH, RT-PCR, FISH and sequencing analysis to provide guideline to aid individualized decision-making in the clinical management of cancers.



# Journal of Clinical & Experimental Pathology

- Journal of Neuroinfectious Diseases
- Journal of the Pancreas
- Immunome Research
- Journal of Osteoporosis and Physical Activity
- Journal of Plant Pathology & Microbiology



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- International Conference on Clinical Trials- July 27-29, 2015 Florida, USA



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