Abstract

Eating disorders are an important cause of physical and psychosocial morbidity in adolescent girls and young adult women [1]. Eating disorders (EDs) are classified into three main types, anorexia nervosa (AN), bulimia nervosa (BN), and binge eating disorder. Other rare disorders include, Purging disorder (purging without binge eating) and Night eating syndrome (excessive night time food consumption), Avoidant/Restrictive Food Intake Disorder, Rumination Disorder etc [2]. Eating disorders and certain associated with genetic predisposition and traits. There is a clear and possibly substantial genetic contribution to both anorexia nervosa and bulimia nervosa. Factors that contribute EDs include several risk factors including biological, psychological, social and interpersonal factors.

Network analysis—the study of molecular interactions equates with the mathematical field of graph theory, in which the assembly of pair wise connections (edges) between discrete objects (nodes) coalesces to form a network, or graph [3].
Identification of Receptors for Eating Disorders using Gap Statistic Methods

References

6. Rosen JC, Leitenberg H, Fisher C, Khazam C. Binge-eating episodes in bulimia nervosa:
7. Lilienfeld LR, Kaye WH. Genetic studies of anorexia and bulimia nervosa. In: Hoek HW,
   Treasure JL, Katzman MA, eds. Neurobiology in the treatment of eating disorders. Chichester:
8. Strober M, Freeman R, Lampert C, Diamond J, Kaye W. Controlled family study of
   anorexia nervosa and bulimia nervosa: evidence of shared liability and transmission of partial
    MP, Striegel-Moore R, eds. The developmental psychopathology of eating disorders:
    implications for research, prevention and treatment. New Jersey: Lawrence Erlbaum,
11. Fairburn CG, Welch SL, Doll HA, Davies BA, OConnor ME. Risk factors for bulimia
12. Fairburn CG, Cooper Z, Doll HA, Welch SL. Risk factors for anorexia nervosa: three
    integrated case-control comparisons. Arch Gen Psychiatry 1999; 56: 468–76.

Index Terms

Computer Science  Pattern Recognition

Keywords

Eating Disorders, Bulimia Nervosa, Anorexia Nervosa, Molecular Interactions.